

Electronic Filing: Received, Clerk's Office 04/05/2023
**BEFORE THE POLLUTION CONTROL BOARD
OF THE STATE OF ILLINOIS**

JEET SINGH d/b/a)	
AMAN FOOD & GAS,)	
Petitioner,)	
)	
v.	)	PCB 2023-090
	)	(LUST Appeal)
ILLINOIS ENVIRONMENTAL)	
PROTECTION AGENCY,)	
Respondent.)	

NOTICE

Don Brown, Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
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Carol Webb, Hearing Officer
Illinois Pollution Control Board
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Patrick D. Shaw
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PLEASE TAKE NOTICE that I have today filed with the office of the Clerk of the Pollution Control Board an **APPEARANCE**, the **ADMINISTRATIVE RECORD**, and a **CERTIFICATE OF RECORD ON APPEAL**, copies of which are herewith served upon you.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,
Respondent



Melanie A. Jarvis
Deputy Chief Counsel - Division of Legal Counsel
1021 North Grand Avenue, East
P.O. Box 19276
Springfield, Illinois 62794-9276
217/782-5544
866/273-5488 (TDD)
Dated: April 5, 2023

**BEFORE THE POLLUTION CONTROL BOARD
OF THE STATE OF ILLINOIS**

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APPEARANCE

The undersigned, as one of its attorneys, hereby enters her Appearance on behalf of the Respondent, the Illinois Environmental Protection Agency.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,
Respondent



Melanie A. Jarvis
Deputy Chief Counsel - Division of Legal Counsel
Special Assistant Attorney General
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CERTIFICATE OF RECORD ON APPEAL

Pursuant to 35 Ill. Adm. Code 105.116(b) and 105.410, the following constitutes an index of documents comprising the record:

PAGES	DOCUMENT(S)	DATE
AR00001-AR000065	45-Day Report	June 3, 2014
AR000066-AR000067	IEPA Reviewer Notes	August 28, 2014
AR000068-AR000289	Early Action IEPA Letter/Claim	July 16, 2015
AR000290-AR000390	Site Investigation Completion Report	November 12, 2018
AR000391-AR000396	IEPA Reviewer Notes	March 7, 2019
AR000397-AR000398	IEPA approval of SICR	March 13, 2019
AR000399-AR000533	CAP and Budget	April 9, 2019
AR000534-AR000541	IEPA Reviewer Notes	July 24, 2019
AR000542-AR000547	CAP and Budget Modified Approval	August 6, 2019
AR000548-AR000555	Corrective Action Budget Amendment	July 20, 2021
AR000556-AR000560	CA Budget Modified Approval	November 17, 2021
AR000561-AR000738	Corrective Action Completion Report	August 2, 2021
AR000739-AR000741	IEPA Rejection of CACR	December 3, 2021
AR000742-AR000754	Corrective Action Budget Amendment	February 15, 2022
AR000755-AR000757	CA Budget Approval	June 1, 2022
AR000758-AR000760	IEPA Reviewer Notes	February 15, 2022
AR000761-AR000802	Corrective Action Budget Amendment	August 29, 2022
AR000803-AR000808	IEPA Rejection of Budget	December 28, 2022

I, Bradley Dilbaitis, certify on information and belief that the entire record of the Respondent's decision, as defined in 35 Ill. Adm. Code 105.410(b), is hereby enclosed.

By: 
Bradley Dilbaitis
Leaking Underground Storage Tank Section
Illinois Environmental Protection Agency

Date: 4/4/2023

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CERTIFICATE OF SERVICE

I, the undersigned attorney at law, hereby certify that on **April 5, 2023**, I served true and correct copies of an **APPEARANCE**, the **ADMINISTRATIVE RECORD**, and a **CERTIFICATE OF RECORD ON APPEAL**, via the Board's COOL system and email, upon the following named persons:

Don Brown, Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
don.brown@illinois.gov

Carol Webb, Hearing Officer
Illinois Pollution Control Board
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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,
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Kuhlman

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CW^M Company

Environmental Consulting Services

701 W. South Grand Avenue
Springfield, IL 62704

Phone: (217) 522-8001
Fax: (217) 522-8009

**1610455194 - Rock Island Co
Aman Food and Gas
Incident # 20140247
Leaking UST Technical File**

June 3, 2014

Mr. Hernando A. Albarracin, Manager
LUST Section, Bureau of Land
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, IL 62794-9276

**RE: LPC #1610455194—Rock Island County
Aman Food & Gas - Moline
1830 5th Avenue, Moline
Incident Number: 2014-0247
LUST Technical Reports—45-Day Report Addendum**

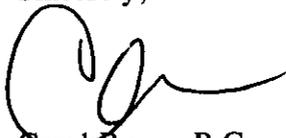
Dear Mr. Albarracin:

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Enclosed, please find the 45-Day Report Addendum for the above-referenced site for JUN 02 2014
Incident Number 2014-0247. The report documents all of the early action activities that
have taken place to date at the Aman Food & Gas site in Moline, Illinois. An IERPA/BOL
was requested on April 17, 2014 and approved on April 28, 2014 for additional time to
complete the Early Action requirements set forth in 35 Ill. Adm. Code § 734 and 415
ILCS 5/57-57.17 as scheduling conflicts postponed the removal of the underground
storage tanks and the subsequent sampling event. The Chemical Laboratory
Certification for the excavation and piping samples has not been received from the
laboratory as of this date, and will be forwarded to the Agency once it is completed.

If you have any questions or require additional information, please contact Mr. Vince
Smith or me at (217) 522-8001.

Sincerely,



Carol Rowe, P.G.
Senior Environmental Geologist

**IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE**

SEP 29 2014

REVIEWER JR/M

xc: Ms. Balbir Kaur, *Aman Food & Gas*
Mr. William T. Sinnott, *CW^M Company, Inc.*

45-DAY REPORT ADDENDUM

AMAN FOOD & GAS / MOLINE

**Moline, Illinois
LPC #1610455194 — Rock Island County
Incident Number 2014-0247**

RECEIVED

JUN 02 2014

IEPA/BOL

Presented to:

**Illinois Environmental Protection Agency
Leaking Underground Storage Tank Section, Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois**

Prepared by:

CW³M COMPANY, INC.

701 West South Grand Avenue
Springfield, Illinois
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(618) 997-2238

JUNE 2014

CW²M Company, Inc.
45-Day Report Addendum
Aman Food & Gas / Moline
LPC #1610455194-Incident Number 2014-0247

CONTENTS

APPENDICES	ii
TABLES	ii
ACRONYMS AND ABBREVIATIONS	ii
1. INTRODUCTION	1
2. SITE LOCATION	1
3. EARLY ACTION ACTIVITIES	1
3.1 TANK REMOVAL ACTIVITIES	2
3.2 SOIL REMOVAL	3
3.3 GROUNDWATER	3
3.4 FREE PRODUCT	4
4. SITE CHARACTERIZATION	4
4.1 NATURE AND QUANTITY OF RELEASE	4
4.2 SURROUNDING POPULATIONS	4
4.3 WATER QUALITY	4
4.4 WELL DATA	5
4.5 SUBSURFACE SOIL CONDITIONS AND REGIONAL GEOLOGY	5
4.5.1 Surficial Geology	5
4.5.2 Bedrock Geology	6
4.5.3 Distribution of Aquifers	6
4.5.4 Soil Conditions	6
4.5.5 Potential For Contamination of Shallow Aquifers	6
4.5.6 Subsurface Sewer	7
4.6 CLIMATOLOGICAL CONDITIONS	7
4.7 LAND USE	7
5. SITE ASSESSMENT ACTIVITIES	7
5.1 INITIAL ABATEMENT MEASURES AND SITE CHECK	7
5.2 FREE PRODUCT INVESTIGATION	8
5.3 SAFETY PROCEDURES AND HAZARD MITIGATION	8
6. CONCLUSION AND RECOMMENDATIONS	8
7. REFERENCES	8

*CW³M Company, Inc.
45-Day Report Addendum
Aman Food & Gas / Moline
LPC #1610455194-Incident Number 2014-0247*

APPENDICES

APPENDIX A	45-Day Report Form
APPENDIX B	Site Maps and Illustrations
APPENDIX C	Boring Log
APPENDIX D	Analytical Results
APPENDIX E	Office of the State Fire Marshal Permit for Removal
APPENDIX F	Waste Disposal Documentation

TABLES

Table 3-1. Underground Storage Tank Summary	3
Table 4-1. Water Supply Well Information.....	4

ACRONYMS AND ABBREVIATIONS

BETX	Benzene, ethyl-benzene, toluene, and total xylenes
CW ³ M	CW ³ M Company, Inc.
HAZWOPER	Hazardous Waste Operations and Emergency Response
IEMA	Illinois Emergency Management Agency
IEPA	Illinois Environmental Protection Agency
Ill. Adm. Code	Illinois Administrative Code
ISGS	Illinois State Geological Survey
ISWS	Illinois State Water Survey
JULIE	Joint Utility Locating Information for Excavators
MTBE	Methyl tert-butyl ether
OSFM	Office of the State Fire Marshal
OSHA	Occupational Safety and Health Administration
PNAs	Polynuclear Aromatics
USTs	Underground Storage Tanks

CW³M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

1. INTRODUCTION

Mr. Jeet Singh, representative of the owner of the underground storage tanks (USTs) at the Aman Food & Gas / Moline site, reported a release to the Illinois Emergency Management Agency (IEMA). Incident Number 2014-0247 was assigned to the notification on March 3, 2014. Mr. Singh and Ms. Balbir Kaur then requested CW³M Company, Inc. (CW³M) to proceed with the reporting and early action requirements in accordance with 35 Illinois Administrative Code (Ill. Adm. Code) § 734. This 45-Day Report is being prepared in response to Incident Number 2014-0247.

The 20-Day Certification was submitted to the Illinois Environmental Protection Agency (IEPA) on March 7, 2014 (CW³M, 2014). In order to allow for the installation of new tanks which were going to be installed in the same tank pit, an extension of the 45-Day Reporting period was requested on April 17, 2014 (CW³M, 2014a), and approved by the IEPA on April 28, 2014 (IEPA, 2014). The 45-Day Report was submitted on May 2, 2014 (CW³M, 2014b). This 45-Day Report Addendum has been prepared in accordance with the requirements of 35 Ill. Adm. Code § 734. The 45-Day Report Form is included in this document as Appendix A.

The preliminary geological investigation presented in this document was performed under the direction of an Illinois Licensed Professional Geologist and was completed in accordance with the Professional Geologist Licensing Act and its Rules for Administration.

2. SITE LOCATION

The site, known as Aman Food & Gas - Moline, is located at 1830 5th Avenue, Moline, Rock Island County, Illinois 61265. The site is located in the SW ¼ of the SE ¼ of the NE ¼ of Section 32, Township 18 North of the Centralia Baseline and Range 1 West of the Fourth Principal Meridian.

3. EARLY ACTION ACTIVITIES

Following IEMA notification of the release, Mr. Singh and Ms. Kaur requested that CW³M proceed with reporting requirements and early action activities necessary for compliance with 35 Ill. Adm. Code § 734.

On March 3, 2014, CW³M personnel were on site to obtain release confirmation and waste characterization and WC-2 samples for potential disposal of contaminated backfill materials. Two samples (WC-1 and WC-2) were collected and analyzed for benzene,

CW³M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

toluene, ethyl-benzene, and total xylenes (BETX) and methyl tert-butyl ether (MTBE). The facility was also mapped at this time. The analytical results are included in Appendix D. The results confirm a petroleum release had occurred at the facility. As there was a prior release reported at the facility, Incident Number 2003-0936, and subsequently issued a No Further Remediation Letter NFR (IEPA, 2006), sample results were compared to levels previously reported. The results were significantly higher at the same locations and sitewide, confirming a new release.

3.1 TANK REMOVAL ACTIVITIES

A permit for the removal of (USTs) and product piping was approved by the Office of the State Fire Marshal (OSFM) on March 11, 2014 (OSFM, 2014). CW³M personnel will be at the site to initiate tank removal activities starting Wednesday April 30, 2014. Due to scheduling conflicts trying to arrange the removal of the tanks to coincide with the installation of new tanks, CW³M was unable to complete the Early Action Requirements set forth in 35 Ill. Adm. Code 734 and ILCS 5/57-57.17 in the allotted 45-day time period. A request for an extension of time to complete these activities was sent to the IEPA April 17, 2014 (CW³M, 2014a) and approved by the IEPA on April 28, 2014 (IEPA, 2014).

CW³M personnel were at the site on April 30, 2014, to begin UST tank removal early action activities. OSFM Tank Specialist Jeffery Hindman and CW³M personnel were at the site to supervise the removal of the USTs on May 1, 2014. The tanks were ventilated and removed along with the product piping. As the OSFM Field Specialists have been instructed not to make the official determination of the release, the source of release was made in consult with the OSFM Field Specialist using the best professional judgment of field personnel of the tank, piping, and soil conditions.

Tank 1: This fiberglass tank was found to be in fair condition. The tank had no visible holes or pitting. OSFM Tank Specialist Hindman in conjunction with CW³M personnel determined that overfills and piping were contributing factors to the cause of the petroleum release.

Tank 2: This fiberglass tank was found to be in fair condition. The tank had no visible holes or pitting. OSFM Tank Specialist Hindman in conjunction with CW³M personnel determined that overfills and piping were contributing factors to the cause of the petroleum release.

Tank 3: This fiberglass tank was found to be in fair condition. The tank had no visible holes or pitting. OSFM Tank Specialist Hindman in conjunction with CW³M

personnel determined that overfills and piping were contributing factors to the cause of the petroleum release.

Table 3-1. Underground Storage Tank Summary

Tank Number	Tank Volume (gallons)	Tank Contents	Incident Number	Release Information	Status
1	5,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
2	3,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
3	4,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014

3.2 SOIL REMOVAL

Approximately 771.04 tons (514.03 cubic yards) of contaminated backfill was removed from the former tank pit and properly disposed of at the Upper Rock Island Landfill facility in Rock Island, Illinois. Manifests for the contaminated soil disposal can be found in Appendix F. Samples were collected for every 20 feet of the excavation walls in addition to every 20 feet of piping runs. Floor samples were obtained beneath each tank. Samples were collected and analyzed for BETX, and MTBE. The soil analytical results are included in Appendix D. The analytical results confirm that the most stringent Tier 1 Clean-up Objectives have been exceeded from the release for all BETX contaminants.

3.3 GROUNDWATER

Groundwater was believed to be encountered during the release confirmation drilling at a depth of approximately 10 feet below ground surface. Groundwater seeped into the excavation but not in quantities that inhibited excavation, disposal or sampling; floor samples collected from the bottom of the excavation area were very moist. The excavation was open for more than 24 hours and a small amount of water accumulated within the excavation during tank removal and subsequent backfill disposal activities. Floor samples were collected from the bottom of the excavation. The results of the wall and floor samples indicate that contamination has likely come into contact with the groundwater.

CW³M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

3.4 FREE PRODUCT

No free product has been observed during CW³M site investigation activities. The free product investigation will continue, as necessary, throughout the site investigation.

4. SITE CHARACTERIZATION

4.1 NATURE AND QUANTITY OF RELEASE

The quantity of the release is unknown; however, it was evident to have migrated beyond into the backfill materials of the tank. The analytical results from the release confirmation/waste characterization samples (WC-1 and WC-2) confirm a petroleum has occurred in the area. Analytical results from the early action excavation indicate that contamination from the release has extended beyond the excavated area. The analytical results from the release confirmation/waste characterization and early action sampling are included in Appendix D. Maps of the sampling locations and available contamination values are included in Appendix B.

4.2 SURROUNDING POPULATIONS

The population of Moline, Illinois is 43,050 (City-Data.com, 2014) but exists as part of a metropolis area known as the Quad cities which includes Rock Island (pop. 38,084), East Moline (pop. 20,867), Davenport (pop. 101,306), and Bettendorf (pop. 33,098). The site is surrounded by light commercial properties and one large apartment complex in the riverfront area of Moline.

4.3 WATER QUALITY

According to the Illinois Pollution Control Board, three Class III Groundwater contributing areas exist; however, they are located in McHenry County, Monroe County, and St. Clair County. Therefore, CW³M will consider the groundwater at this site to be Class I unless demonstrated otherwise pursuant to 35 Ill. Adm. Code § 620.210.

CW²M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

4.4 WELL DATA

A survey of water supply wells for the purpose of identifying and locating all community water supply wells within 2,500 feet of the UST systems and all potable water supply wells within 200 feet of the UST systems is in progress. The Illinois State Water Survey (ISWS), the Illinois State Geological Survey (ISGS) and the IEPA Division of Public Water Supplies were contacted via the Source Water Assessment Program (SWAP) online.

The ISGS, ISWS, and IEPA Division of Public Water Supplies were accessed online on March 13, 2014 (EPA.STATE.IL.US, 2014). The response indicated that ten ISGS wells are located within 2,500 feet of the site. The response stated that there is a groundwater ordinance for the entire City of Moline (R10083101).

Table 4-1. Water Supply Well Information

Well ID	Type	Distance From USTs (feet)	Setback Zone (feet)
00672	ISGS	2,429	200
00865	ISGS	1,056	200
23575	ISGS	1,848	200
23569	ISGS	2,059	200
23570	ISGS	2,059	200
23571	ISGS	2,059	200
23572	ISGS	2,429	200
23573	ISGS	2,429	200
23574	ISGS	2,429	200
00328	ISGS	475	200

4.5 SUBSURFACE SOIL CONDITIONS AND REGIONAL GEOLOGY

4.5.1 Surficial Geology

According to the 1988 "Stack-unit map", the area consists of the Cahokia Alluvium quaternary deposit greater than 6 meters (19.7 ft) thick from the ground surface surface (ISGS, 1988). The Cahokia Alluvium deposits overlay Henry Formations greater than 6 meters thick. The Cahokia Alluvium and Henry Formations are consistent with the

CW²M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

“C5” classification from the “Berg Circular” discussed below in Section 4.5.5 (ISGS, 1975).

4.5.2 Bedrock Geology

Under the less than 50 feet of surficial Holocene and Wisconsinan deposits which fill the bedrock valley, lie Devonian bedrock composed of windblown sand and gravel outwash (ISGS, 1984).

4.5.3 Distribution of Aquifers

Geologic conditions in Rock Island County are favorable for developing large groundwater supplies. This area is a wide, bedrock lowland that was formed at the confluence of the ancient Mississippi and Mahomet rivers and is now buried beneath a thick mantle of glacial deposits, mainly sand and gravel. Domestic and farm groundwater supplies are easily obtainable at depths less than 50 feet (ISGS, 1958).

4.5.4 Soil Conditions

The site is comprised of only one soil type; undulating loamy Orthents. The Orthents, 1 to 7 percent slopes, consists of well drained soils with a depth to water table more than 80 inches. The Dana silt loam has a moderately high water capacity and no potential of flooding (NRCS.USDA.GOV, 2014).

4.5.5 Potential For Contamination of Shallow Aquifers

This section provides a description of the anticipated regional geology. Specific data on site soils will be developed if site evaluation is required for this site. The literature that may be reviewed to determine consistency with ISGS Circular 532, also known as the “Berg Circular,” is identified in Section 7 of this document.

ISGS Circular Number 532, the Berg Circular, indicates that the site is located in an area classified as “C5”. The area “C5” is representative of predominantly till with discontinuous sand and gravel locally present within fifty feet of the surface.

The geologic limitations listed within the Berg Circular 532, concerning “C5”, states that the potential for contamination varies and is difficult to predict. Due to varying layers of sand, the hydraulic conductivity can vary drastically and therefore the potential for contamination varies. This soil type is consistent with those found in river banks such as the riverfront area of Moline and the Aman Food & Gas site (ISGS, 1984).

CW³M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

4.5.6 Subsurface Sewer

Joint Utility Locating Information for Excavators (JULIE) was contacted prior to the early action activities, in order to locate all lines and sewers potentially buried at the Aman Food & Gas Facility.

4.6 CLIMATOLOGICAL CONDITIONS

Rock Island County has typical central Illinois temperatures, with mild winters and hot summers. The average annual precipitation is 38.0 inches for Moline, Illinois. The months of December through February are usually the driest months, and spring and summer months of March through September being the wettest. The warmest month is July and the coolest month is normally January (Weatherbase.com, 2014).

4.7 LAND USE

The site lies near the river front of the city of Moline at the intersection of 5th Avenue and 19th Street. The site is surrounded by light commercial properties and a large apartment complex. The Aman Food & Gas site is currently operating as a convenience store, and once new tanks are installed, will be a convenience store that sells fuel.

5. SITE ASSESSMENT ACTIVITIES

5.1 INITIAL ABATEMENT MEASURES AND SITE CHECK

Upon discovery of the petroleum release, IEMA was notified. CW³M collected soil samples for release confirmation and waste characterization analysis on March 3, 2014. The USTs were inspected to ensure that the tank contents had been removed to prevent further release and the facility was mapped at this time.

The USTs were removed and inspected on Thursday, May 1, 2014 under the supervision of the OSFM. The USTs were inspected to ensure that the tank contents had been removed to prevent further release. The tanks and product lines were removed, and contaminated backfill was excavated for disposal in an attempt to remove the contamination source and to prevent further migration of the contaminants. Samples from the excavation walls, floor, and piping trench were properly obtained to determine if further remediation is necessary. Soil analytical results from the waste characterization/release confirmation sample (WC-1) indicate that the most stringent Tier 1 Clean-up Objectives have been exceeded at the site. Soil analytical results from the early action excavation were unavailable at the submittal of this 45-Day Report but

CW³M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

have been included in this Addendum report and show soil contamination exists along the product pump islands and excavation walls and floor. Wall samples were obtained from a depth of approximately 8 feet, and floor samples were obtained from a depth of approximately 12 feet.

5.2 FREE PRODUCT INVESTIGATION

No free product has been observed during CW³M site investigation activities. The free product investigation will continue, as necessary, throughout site investigation.

5.3 SAFETY PROCEDURES AND HAZARD MITIGATION

To ensure the health and safety of site workers and neighboring residents and properties during excavation and tank removal activities, the on-site supervisor was an Occupational Safety and Health Administration (OSHA) Certified Excavation Competent Person. All site workers had completed the OSHA 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Site Safety training and refreshers. Persons who have not completed the necessary safety training were prevented from entering the work area.

6. CONCLUSION AND RECOMMENDATIONS

Based on sampling and observations by representatives of CW³M Company, Inc., it was determined that a release had occurred from the USTs on the property. To avoid further migration of contamination, removal of the USTs and product piping was deemed prudent. The removal of the USTs was conducted under the supervision of the OSFM. Contaminated backfill material was removed to a licensed landfill.

Analytical results from the release confirmation/waste characterization samples (WC-1 and WC-2) confirm soil contamination above the most stringent Tier 1 Clean-up Objectives, and soil contamination in excess of the quantities found in the investigation of incident 2003-0936. Soil analytical results from the early action excavation were unavailable at the submittal of the 45-Day Report but have been included in this addendum to the 45-Day Report and can be found in Appendix D. The majority of the samples exceed the appropriate Tier 1 Clean-Up Objectives. Upon approval of this 45-Day Report, CW³M will proceed with Stage 1 Site Investigation activities as required. The Stage 1 Site Investigation will include a soil investigation and a groundwater

CW²M Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

investigation. The results from the Stage 1 Site Investigation, which will be documented in the next appropriate site investigation report, will help to determine the necessity and/or the extent of corrective action necessary to remediate the site.

CW³M Company, Inc.
45-Day Report
Aman Food & Gas / Moline
LPC #1610455194-Incident Number 2014-0247

7. REFERENCES

- CW³M, 2014. CW³M Company, Inc. *20-Day Certification*. Aman Food & Gas, Moline, Illinois, March 7, 2014.
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Electronic Filing: Received, Clerk's Office 04/05/2023

CWPM Company, Inc.

45-Day Report

Aman Food & Gas / Moline

LPC #1610455194-Incident Number 2014-0247

Weatherbase.com, 2014. Moline, IL, www.weatherbase.com, accessed March 12, 2014.

APPENDIX A

45-DAY REPORT FORM

**45-DAY REPORT
AMAN FOOD & GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program 45-Day Report

A. Site Identification

IEMA Incident # (6- or 8-digit): 20140247 IEPA LPC# (10-digit): 1610455194

Site Name: Aman Food & Gas

Site Address (Not a P.O. Box): 1830 5th Avenue

City: Moline

County: Rock Island

Zip Code: 61265

RECEIVED

JUN 02 2014

Leaking UST Technical File

B. Release Information

IEPA/BOL

UST Volume (gallons)	Material Stored in UST	Release Yes / No	Type of Release Tank Leak / Overfill / Piping Leak	Product Removed? Yes / No	Tank Status Repaired / Removed / Abandoned / In Use
5,000	Gasoline	Yes	Overfill	Yes	Removed
3,000	Gasoline	Yes	Overfill	Yes	Removed
4000	Gasoline	Yes	Overfill	Yes	Removed

C. Early Action

- Does this report demonstrate that the most stringent Tier 1 remediation objectives have been met? Yes No
- Was free product encountered? Yes No
If yes, the owner or operator must submit a Free Product Removal Report (form LPC 504).
If free product removal will be conducted for more than 45 days, a Free Product Removal Plan (and budget, if applicable) must be submitted (form LPC 504).
- Have any fire or safety hazards posed by vapors or free product or contamination to a potable water supply been identified? Yes No
- What was the volume of backfill material excavated? 514.03 Yards³

5. What was the volume of native soil excavated? 0 _____ Yards³
6. Was groundwater encountered at the site? Yes No
7. Did the groundwater exhibit a sheen? Yes No

D. Site/Release Information

Provide the following:

1. Data on the nature and estimated quantity of release;
2. Data from available sources or site investigations concerning the following factors:
 - a. Surrounding populations;
 - b. Water quality;
 - c. Use and approximate locations of wells potentially affected by the release;
 - d. Subsurface soil conditions;
 - e. Location of subsurface sewers;
 - f. Climatological conditions; and
 - g. Land use;
3. A discussion of what was done to measure for the presence of a release where contamination was most likely to be present at the UST site;
4. The results of the free product investigations;
5. A discussion of the action taken to prevent further release of the regulated substance into the environment;
6. A discussion of the action taken to monitor and mitigate fire and safety hazards posed by vapors or free product that has migrated from the UST excavation zone and entered subsurface structures; and
7. Any other information collected while performing initial abatement measures pursuant to 35 Ill. Adm. Code 731.162, 732.202(b), or 734.210(b).

E. Other Information

Provide the following:

1. An area map showing the site in relation to surrounding properties;
2. A cross section, to scale, showing the UST(s) and the excavation;
3. Analytical/screening results in tabular format including the results of soil samples required pursuant to 35 Ill. Adm. Code 732.202(h) or 734.210(h) and the most stringent Tier 1 remediation objectives;
4. Site map meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and including sample locations;
5. Soil boring logs;
6. Chain of custody forms;
7. Laboratory analytical reports;
8. Laboratory certifications;
9. A copy of the Office of the State Fire Marshal Permit for Removal, Abandonment-in-Place, or other OSFM permits or notifications;

10. A narrative of tank removal and cleaning operations; describe how wastes generated during the tank removal were managed, treated, and disposed of;
11. Photographs of UST removal activities and the excavation; and
12. Copies of manifests for soil and groundwater transported off-site.

F. Early Action Tier 1 Remediation Objectives Compliance Report

If the most stringent Tier 1 remediation objectives of 35 Ill. Adm. Code 742 for the applicable indicator contaminants have been met and a groundwater investigation is not required, in addition to the information provided above, provide the following:

1. Site characterization;
2. If water was encountered in the excavation, provide a demonstration pursuant to 35 Ill. Adm. Code 732.202(h)(4)(C) or 734.210(h)(4)(C) that it is not representative of actual groundwater; and
3. Property Owner Summary (form LPC 568).

G. Signatures

UST Owner or Operator Signature:

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator and Licensed Professional Engineer or Licensed Professional Geologist Certification of Stage 1 Site Investigation Plan and Budget (applies to Part 734 sites continuing beyond early action):

Pursuant to 35 Ill. Adm. Code 734.315(b) and 734.310(b), I certify that the Stage 1 site investigation will be conducted in accordance with 35 Ill. Adm. Code 734.315 and that the costs of the Stage 1 site investigation will not exceed the amounts set forth in 35 Ill. Adm. Code 734. Subpart H, Appendix D, and Appendix E. This certification is intended to meet the requirements for a plan and budget for the Stage 1 site investigation required to be submitted pursuant to 35 Ill. Adm. Code 734.315 and 734.310.

Continue onto next page.

I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 732, or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

UST Owner or Operator

Name Aman Food & Gas
Contact Balbir Kaur
Address 5048 Country Court
City Davenport
State IA
Zip Code 52807
Phone 563-275-8189
Signature SEE BELOW
Date _____

Consultant

Company CWM Company
Contact Carol L. Rowe
Address 701 South Grand Avenue West
City Springfield
State IL
Zip Code 62704
Phone 217-522-8001
Signature _____
Date 6/3/2014

Licensed Professional Engineer or Geologist

Name Vince E. Smith
Company CWM Company
Address 701 South Grand Avenue West
City Springfield
State IL
Zip Code 62704
Phone 217-522-8001
Ill. Registration No. 062-046118
License Expiration Date 11/30/15
Signature BALBIR KAUR Vince E. Smith
Date 5/31/14 6/3/14

RECEIVED
L.P.E. or L.P.G. Seal
JUN 02 2014
IEPA/BOL





Electronic Filing: Received, Clerk's Office 04/05/2023
Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

**Leaking Underground Storage Tank Program
 Stage 1 Site Investigation Certification**

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-0247 IEPALPC# (10-digit): 1610455194
 Site Name: Aman Food & Gas
 Site Address (not a P.O. Box): 1830 5th Avenue
 City: Moline County: Rock Island Zip Code: 61265
 Leaking UST Technical File

RECEIVED

JUN 02 2014

B. Site Information

UST Owner or Operator Signature:

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

IEPA/BOL

UST Owner or Operator and Licensed Professional Engineer or Licensed Professional Geologist Certification of Stage 1 Site Investigation Plan and Budget (applies to Part 734 sites continuing beyond early action):

Pursuant to 35 Ill. Adm. Code Part 734.315(b) and 734.310(b), I certify that the Stage 1 site investigation will be conducted in accordance with 35 Ill. Adm. Code 734.315 and that the costs of the Stage 1 site investigation will not exceed the amounts set forth in 35 Ill. Adm. Code 734.Subpart H, Appendix D, and Appendix E. This certification is intended to meet the requirements for a plan and budget for the Stage 1 site investigation required to be submitted pursuant to 35 Ill. Adm. Code 734.315 and 734.310.

A summary of the actual costs for conducting the Stage 1 site investigation will be submitted concurrently with the results of the Stage 1 site investigation and the Stage 2 site investigation plan and budget.

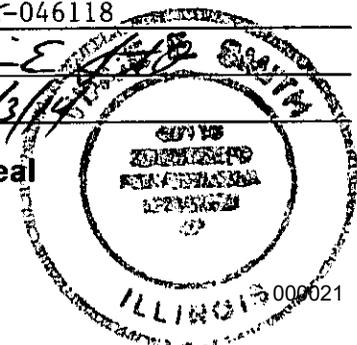
UST Owner or Operator

Name Aman Food & Gas
 Contact Balbir Kaur
 Address 5048 Country Court
 City Davenport
 State IA
 Zip Code 52807
 Phone 563-275-8189
 Signature BALBIR KAUR
 Date 5/31/14

Licensed Professional Engineer or Geologist

Name Vince E. Smith
 Company CW3M Company, Inc.
 Address 701 S. Grand Ave West
 City Springfield
 State IL
 Zip Code 62704
 Phone (217) 522-8001
 Ill. Registration No. 062-046118
 Signature Vince E. Smith
 Date 6/3/14

L.P.E. or L.P.G. Seal



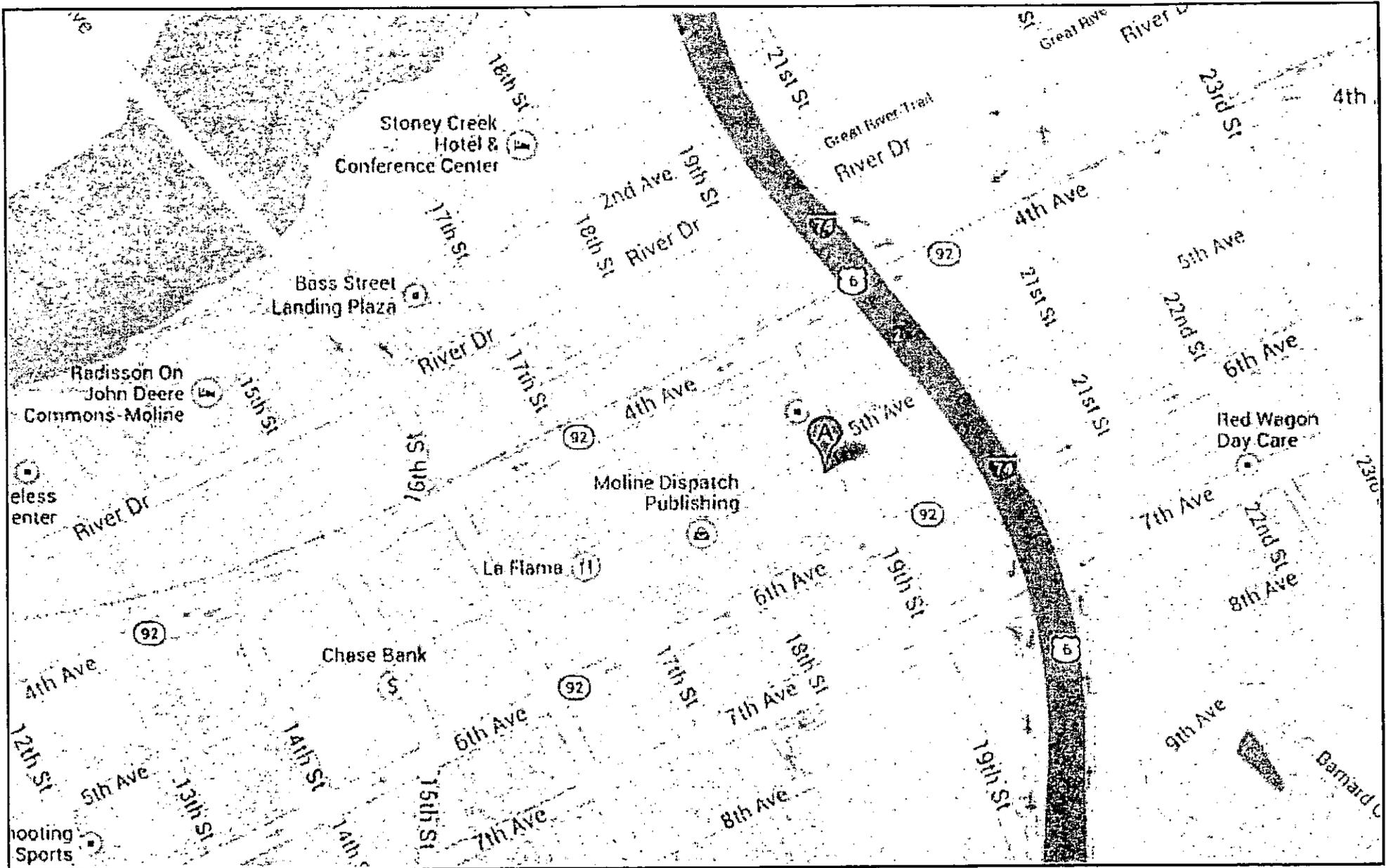
APPENDIX B

SITE MAPS AND ILLUSTRATIONS

**45-DAY REPORT
AMAN FOOD & GAS
MOLINE, ILLINOIS**

*CWM Company, Inc.**45-Day Report**Aman Food & Gas / Moline**LPC #1610455194-Incident Number 2014-0247***INDEX OF DRAWINGS**

Drawing Number	Description	File Name
0001A	Site Location Map	SiteMap.doc
0001B	Surrounding Populations Map	Sp.doc
0001C	Community Water Supply Well Map	Wellmap.doc
0001D	Stack-Unit Map	StackMap.doc
0001E	Section Township Range Map	STRMap.doc
0001F	Geological Susceptibility Map	GeoMap.doc
0001G	Topographic Map	TopoMap.doc
0002	Site Map	Site.DWG
0003	Soil Boring Location Map	SBLOC.DWG
0004	Early Action Excavation Map	EAEXC.DWG
0005	Early Action Sample Location Map	EALOC.DWG

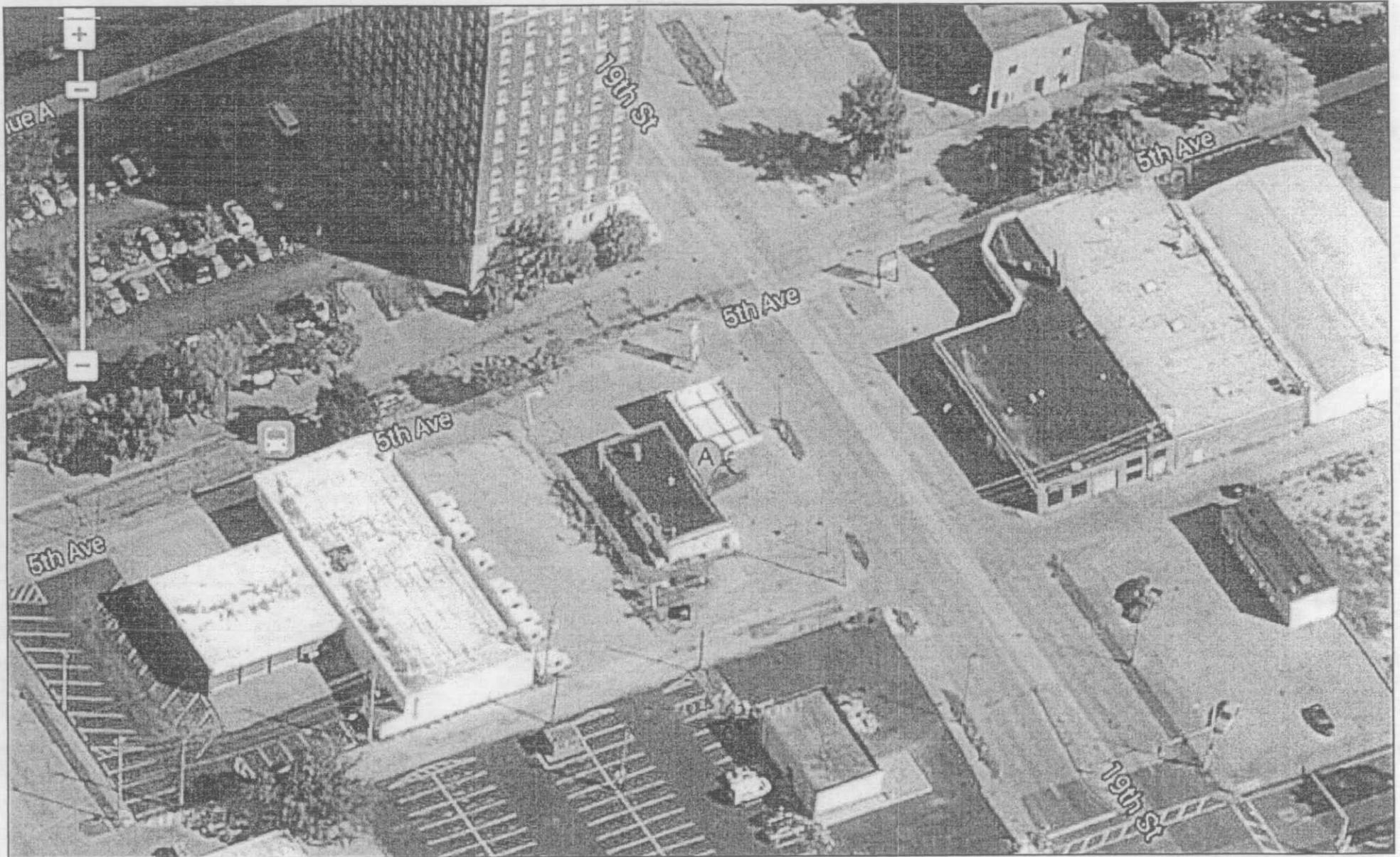


000024

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Site Location Map
1830 5th Avenue
Moline, Illinois

Drawn By: BMW
Reviewed By: CLR
Drawing 0001A
SiteMap.doc

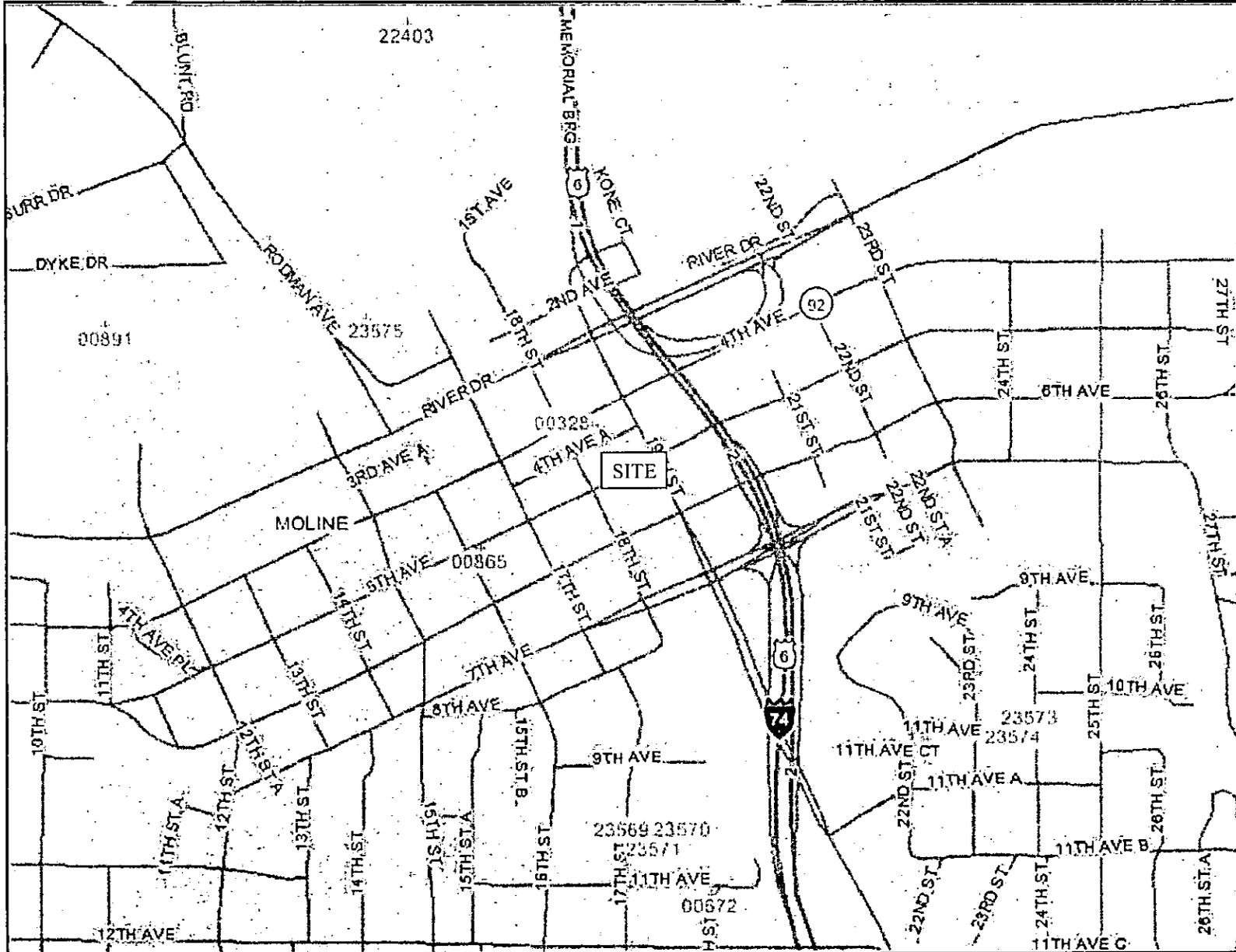


000025

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Surrounding Populations Map
1830 5th Avenue
Moline, Illinois

Drawn By: CBMW
Reviewed By: CLR
Drawing 0001B
SP.doc



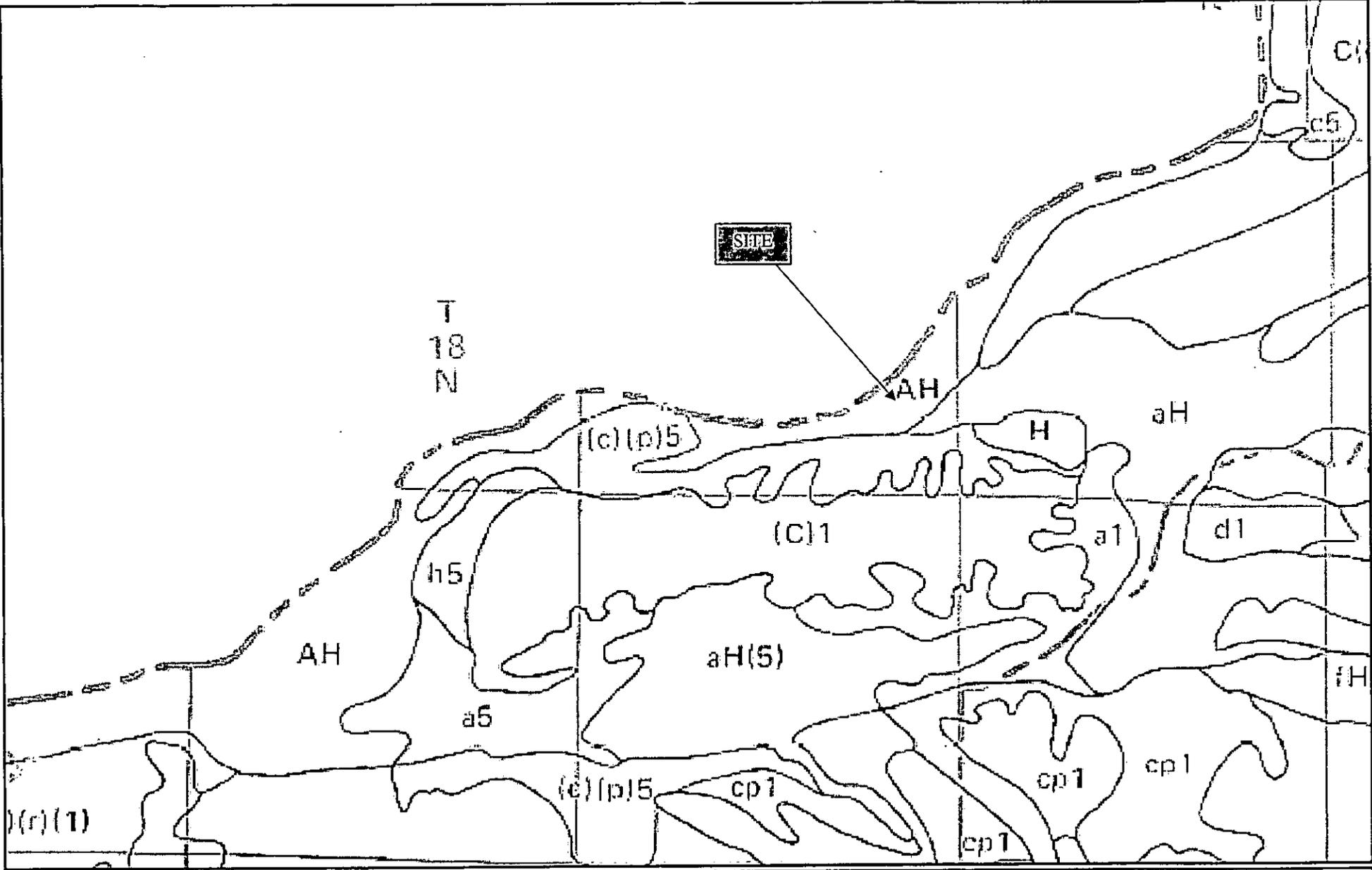
- Legend**
- Municipal boundaries
 - County lines
 - State line
 - Local Roads
 - Major Roads
 - State Highways
 - U.S. Highways
 - Interstates
 - ISGS Wells

000026

CW³M Company, Inc.
 701 South Grand Avenue West
 Springfield, IL 62704
 (217)-522-8001

Community Water Supply Well Map
 1830 5th Avenue
 Moline, Illinois

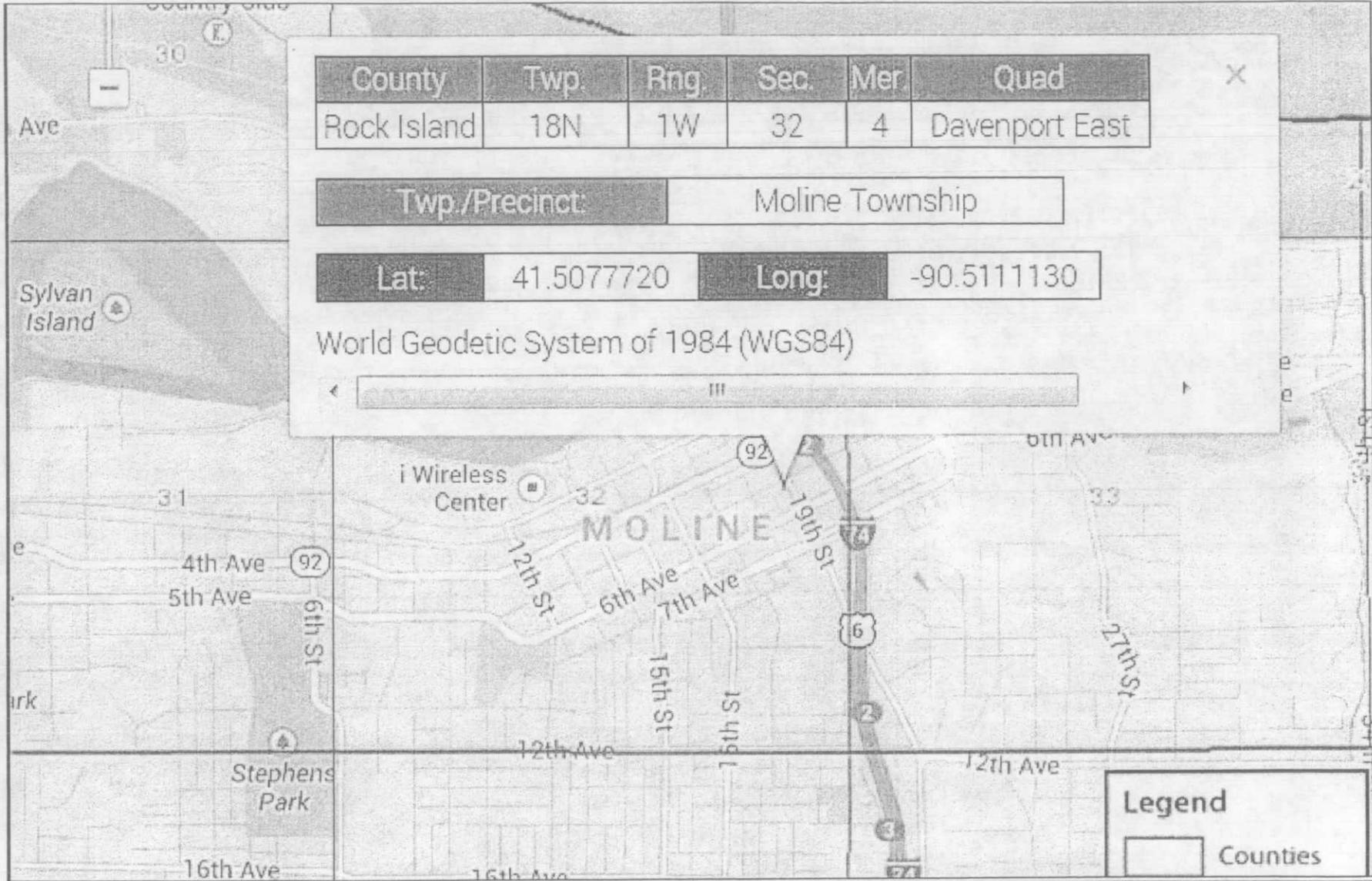
Drawn By: BMW
 Reviewed By: CLR
 Drawing 0001C
 WellMap.doc



000027
 CW³M Company, Inc.
 701 South Grand Avenue West
 Springfield, IL 62704
 (217)-522-8001

Stack-Unit Map
 1830 5th Avenue
 Moline, Illinois

Drawn By: BMW
 Reviewed By: CLR
 Drawing 0001D
 StackMap.doc



County	Twp	Rng	Sec	Mer	Quad
Rock Island	18N	1W	32	4	Davenport East

Twp./Precinct:	Moline Township
----------------	-----------------

Lat:	41.5077720	Long:	-90.5111130
------	------------	-------	-------------

World Geodetic System of 1984 (WGS84)

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Section Township Range Map
1830 5th Avenue
Moline, Illinois

Drawn By: BMW
Reviewed By: CLR
Drawing 0001E
STRMap.doc



Rock Island County, Illinois (IL161)



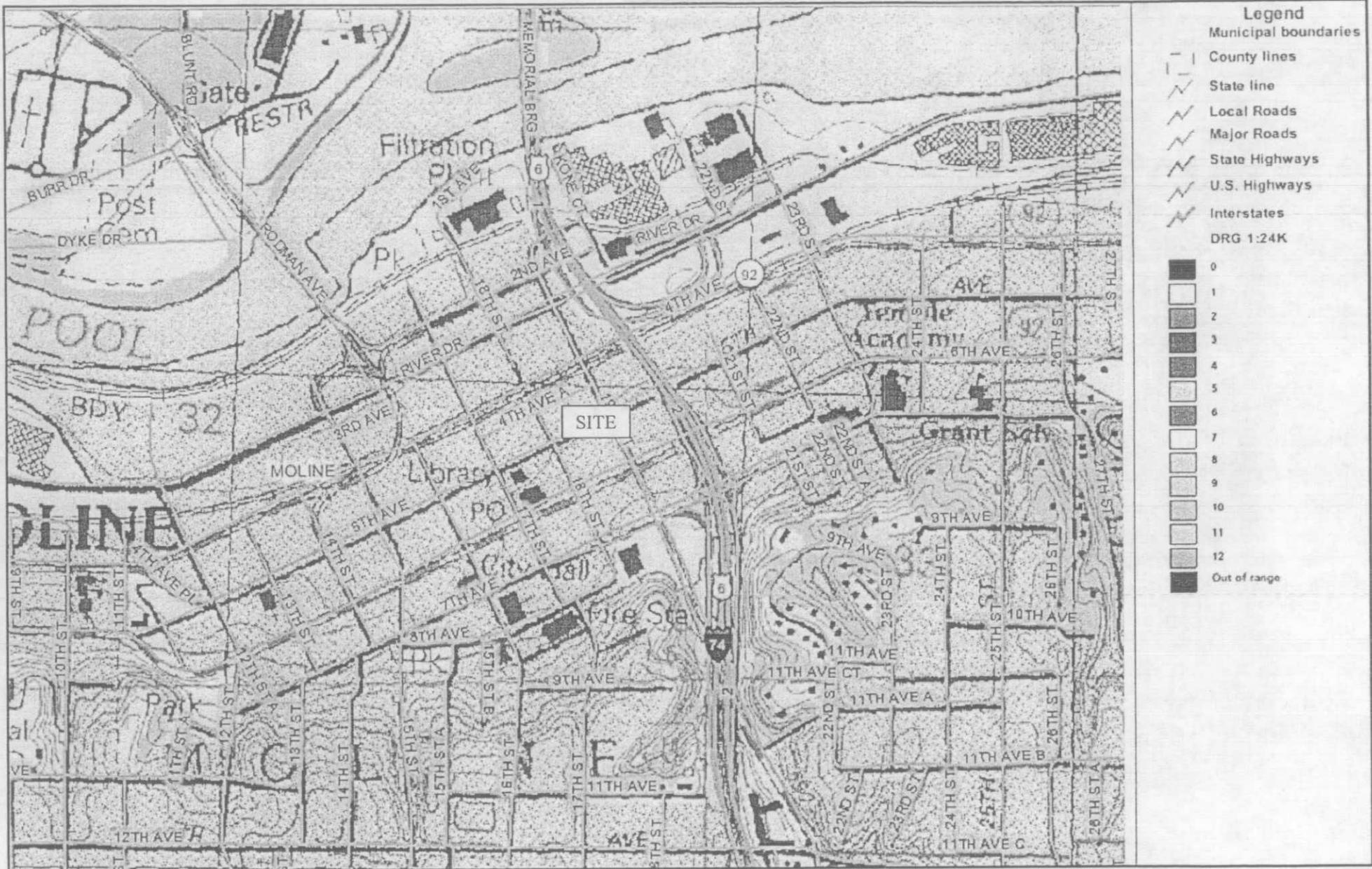
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
802B	Orthents, loamy, undulating	0.7	100.0%
Totals for Area of Interest		0.7	100.0%

000029

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Geologic Susceptibility Map
1830 5th Avenue
Moline, Illinois

Drawn By: BMW
Reviewed By: CLR
Drawing 0001F
GeoMap.doc

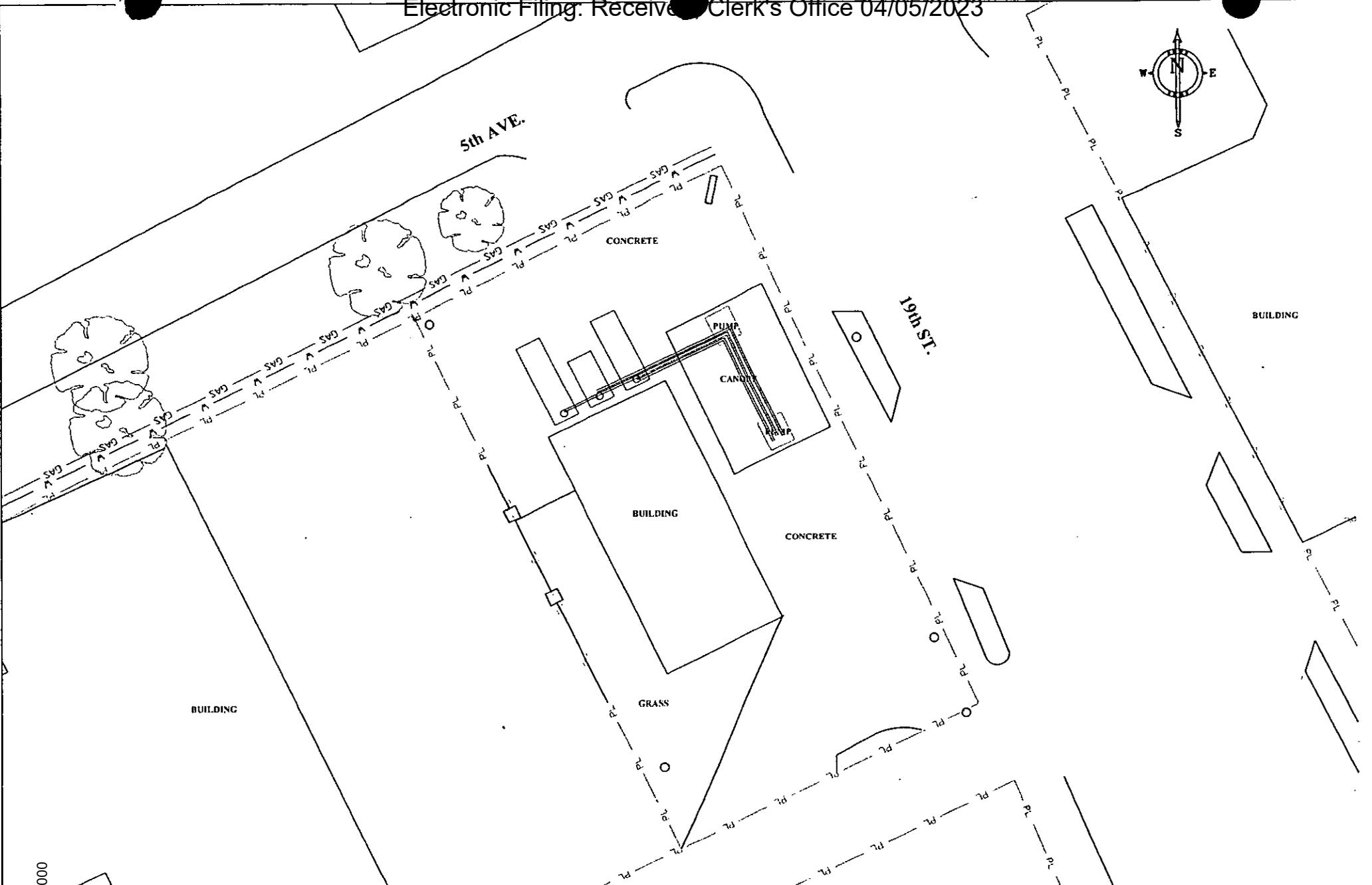
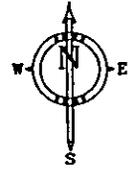


000030

CW³M Company, Inc.
 701 South Grand Avenue West
 Springfield, IL 62704
 (217)-522-8001

Topographic Map
 1830 5th Avenue
 Moline, Illinois

Drawn By: BMW
 Reviewed By: CLR
 Drawing 0001G
 TopoMap.doc



000031

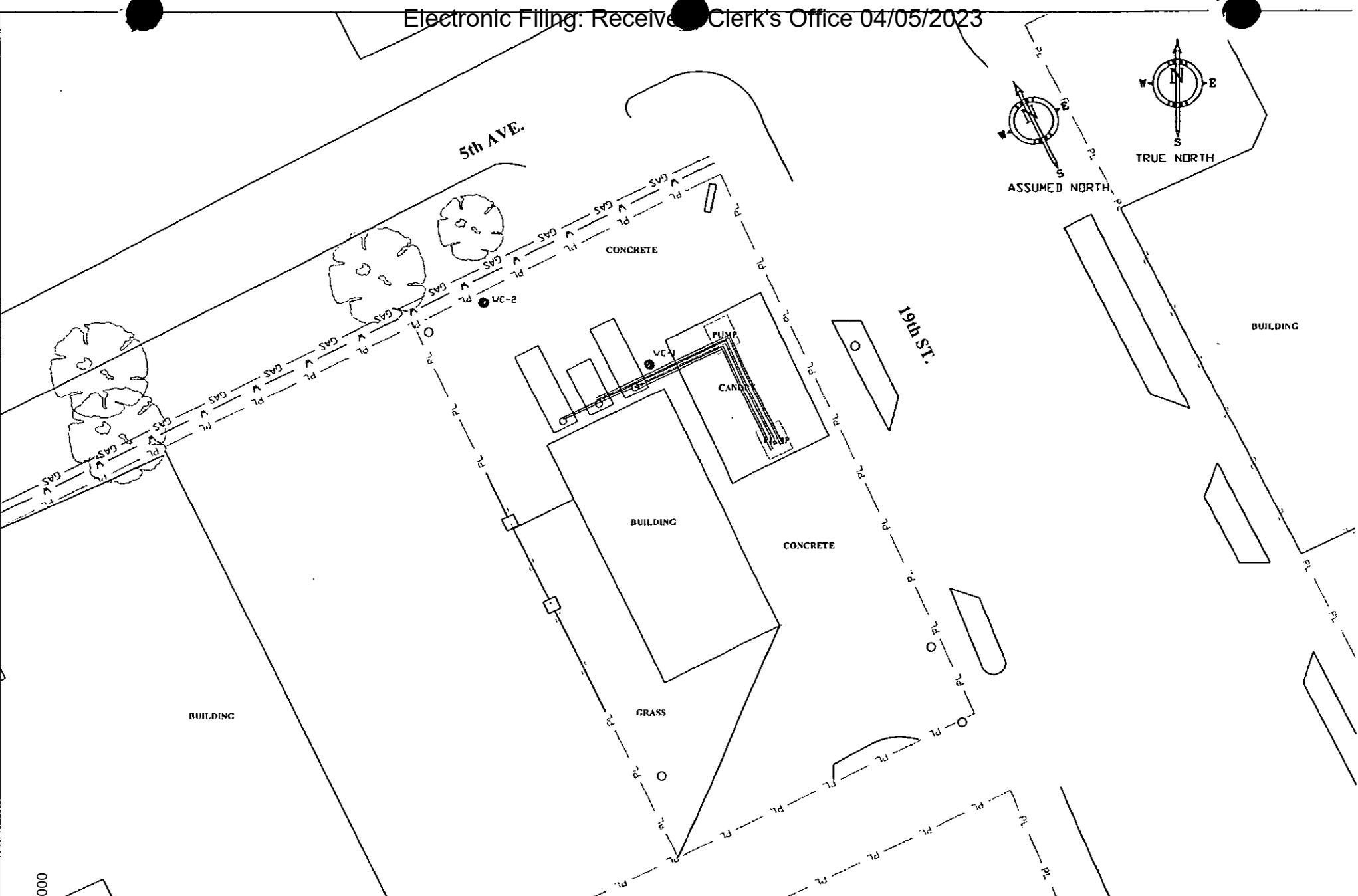
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

SITE MAP

DATE: 9/5/13
REVISED DATE: 5/1/14
SCALE 1"=30'
DRAWING: 0002

DRAWN BY: MDR
REVISED BY: BMW
REVIEWED BY: CLR
SITE.DWG



000032

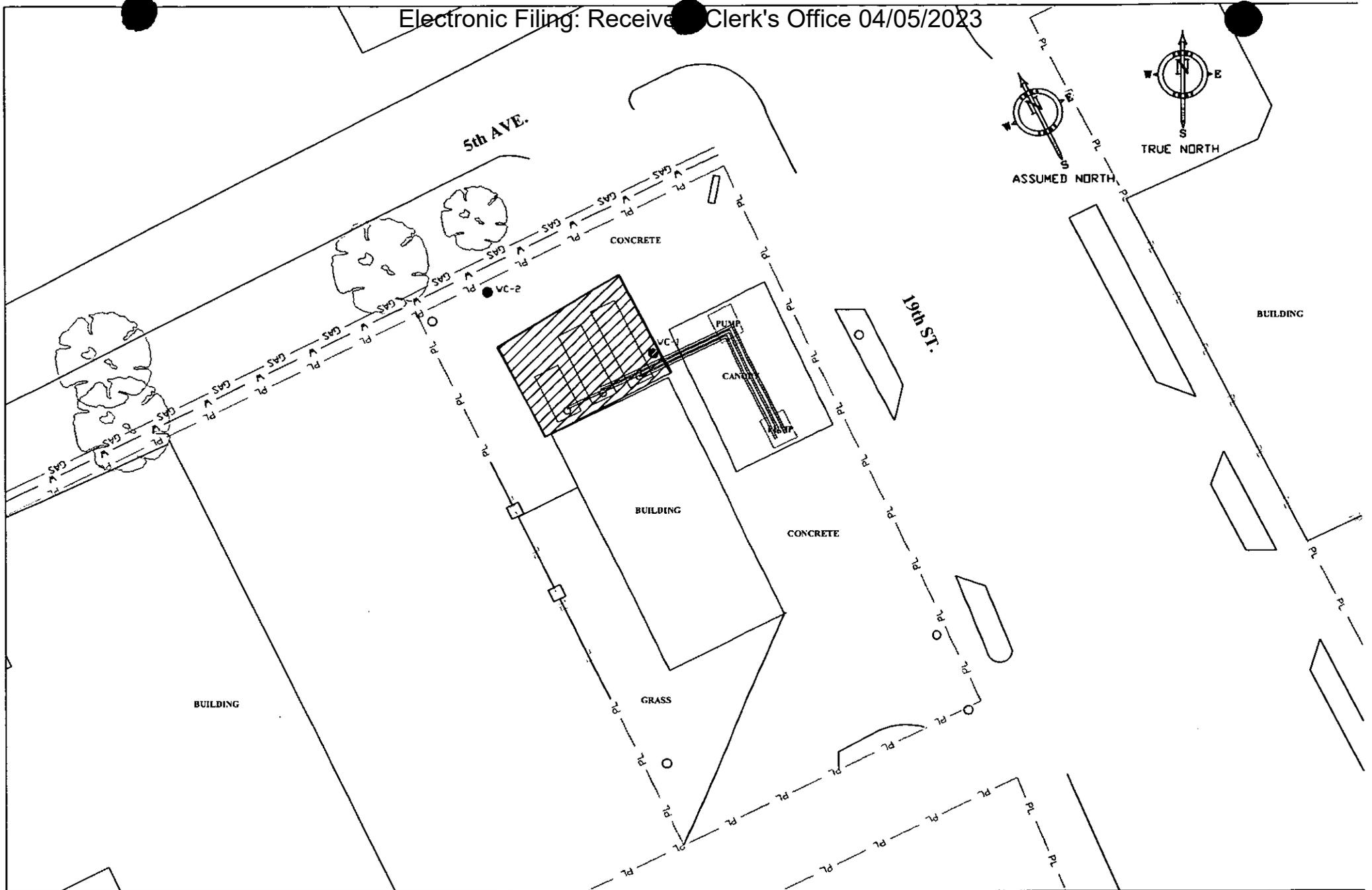
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**SOIL BORING
 LOCATION MAP**

DATE: 9/5/13
REVISED DATE: 5/2/2014
SCALE 1"=30'
DRAWING: 0003

DRAWN BY: MDR
REVISED BY: VES
REVIEWED BY: CLR
SBLOC.DWG



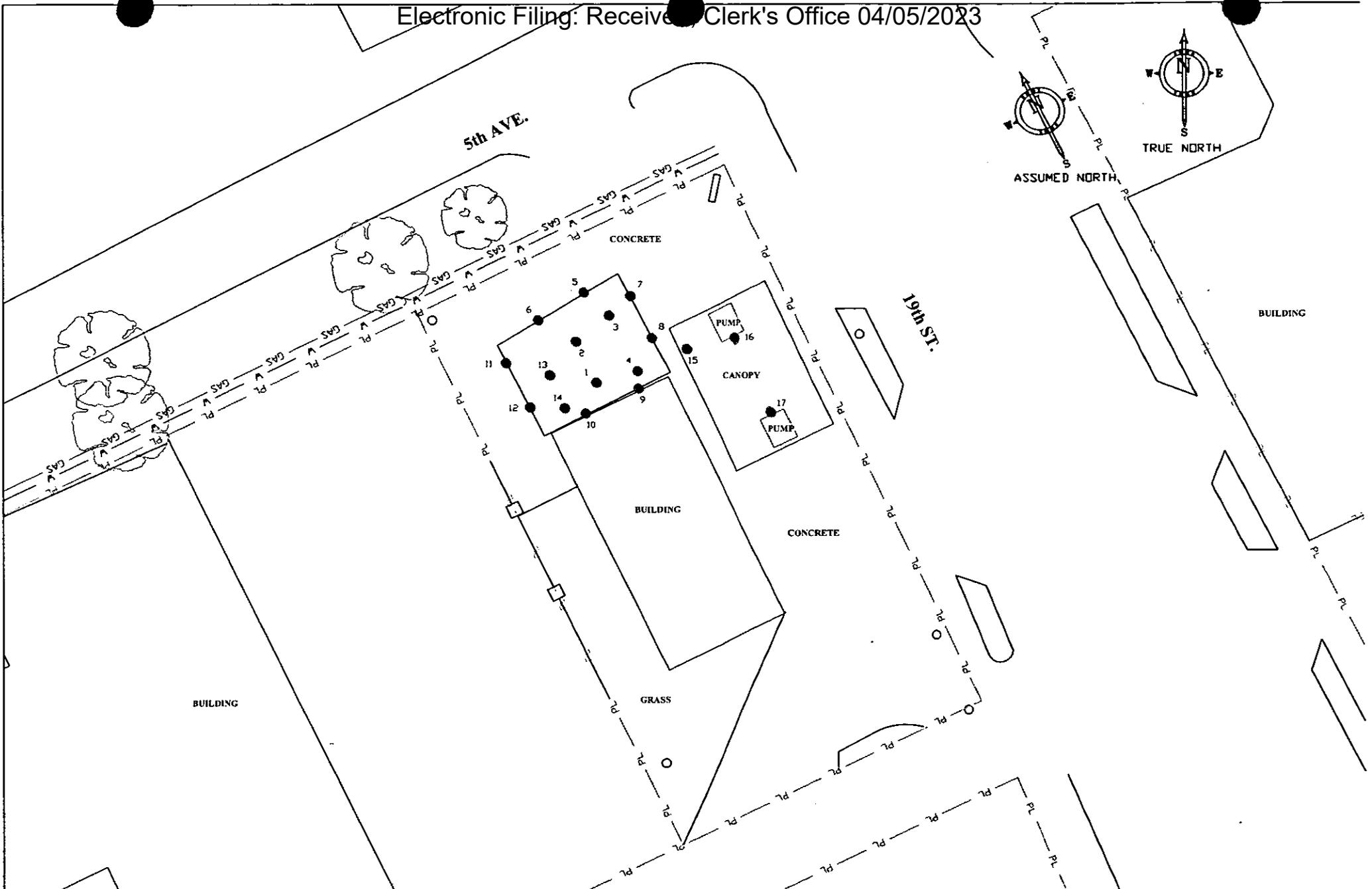
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

EARLY ACTION
EXCAVATION MAP

DATE: 9/5/13
REVISED DATE: 6/3/2014
SCALE 1"=30'
DRAWING: 0004

DRAWN BY: MDR
REVISED BY: VES
REVIEWED BY: CLR
EAEXC.DWG



CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**EARLY ACTION
 SAMPLE LOCATION MAP**

DATE: 9/5/13
REVISED DATE: 6/3/2014
SCALE 1"=30'
DRAWING: 0005

DRAWN BY: MDR
REVISED BY: VES
REVIEWED BY: CLR
EALOO@CWM

APPENDIX C

BORING LOGS

**45-DAY REPORT
AMAN FOOD & GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

ST INCIDENT # 2014-0247		BOREHOLE NUMBER: WC-1	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 3' West & 6' North of Northeast Corner of Building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Geoprobe	
DATE/TIME STARTED: 3-3-2014 11:10		DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger	
DATE/TIME FINISHED: 3-3-2014 11:30		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	concrete with gravel subbase	OM					odor and discoloration throughout worsening with depth
1							
2	backfill sand		90%	695	grab	WC1-2.5'	
3							
4							
5							
6							
7			100%	1245.0	grab	WC1-7.5	BETX, MTBE
8							
9							softens
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and discoloration

Manway / Surface Elevation:

▼ Groundwater Depth While Drilling:	10'	Auger Depth:	10'	Driller:	CW ² M
▽ Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR



Illinois Environmental Protection Agency

CW³M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

JUST INCIDENT # 2014-0247	BOREHOLE NUMBER: WC-2
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 15" West & 33 North of Northwest Corner of Building
DATE/TIME STARTED: 3-3-14 11:30	RIG TYPE: Geoprobe
DATE/TIME FINISHED: 3-3-14 11:50	DRILLING/SAMPLE METHOD: 5' continuous samplers
	BACKFILL: Grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0							
1	concrete/gravel subbase	OM					odor and discoloration throughout most visual at 5'
2	backfill sand		90%				
3							BETX, MTBE, Flash Point, Paint Filter, pH
4				850.0	grab	WC2-5	
5	grey/mottled clayey silt, loam, some sand	CL					
6							
7			100%	422.0	grab	WC2-7.5	
8							
9							
10							
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES Sampled at approximated 5-6' depth based on odor, discoloration and PID readings

Manway / Surface Elevation:

▼ Groundwater Depth While Drilling:	10'	Auger Depth:	10	Driller:	CW ³ M
▽ Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MDR

APPENDIX D

ANALYTICAL RESULTS

**45-DAY REPORT
AMAN FOOD & GAS
MOLINE, ILLINOIS**

**Aman Food Gas
Site Assessment Data**

Waste Characterization

	Location	WC-1	WC-2
	Date	3/3/2014	3/3/2014
	Depth		
Parameter	Class I CUO		
Benzene	0.03	4.08	0.12
Ethylbenzene	13.0	83.3	4.86
Toluene	12.0	84.2	3.44
Total Xylenes	5.6	466.	23.7
MTBE	5.6	ND	ND

SUBURBAN LABORATORIES, Inc.



INVOICE
FEIN # 36-2695636

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

Remit To: Suburban Laboratories, Inc.
1950 S. Batavia Ave., Suite 150
Geneva, IL 60134
Phone: 708-544-3260 Fax: 708-544-8587

Invoice#: 112503
Invoice Date: 5/22/2014

Terms: NET90
Invoice Due: 8/20/2014

Carol Rowe
ACCOUNTS PAYABLE
CWM Company, Inc
701 West South Grand
Springfield, IL 62704

Priority: Rush
PO:
Report To: Carol Rowe
Fax: (217) 522-8009

Work Order: 1405571

Date Received: 5/13/2014

Project: Aman Food & Gas

Item Description	Matrix	Remarks	Qty	Unit Price	% Disc.	Net Price	Total
BTEX + MTBE Solid	Soil	July 2013 - June 2014	17	\$101.24			\$1,721.08

Item	Unit	Qty	Total
Shipping & Handling	\$59.55	1	\$59.55
5035 Sampling Kit	\$11.91	17	\$202.47

Sub Total: \$1,721.08
Misc. Charges: \$262.02
Surcharge: 0.00%
INVOICE Total: \$1,983.10
Pre-Paid Amount: \$0.00
Total Payable Amount: \$1,983.10

Comments: Terms per signed agreement

RECEIVED
MAY 22 2014
BY: CR



SUBURBAN LABORATORIES, Inc.



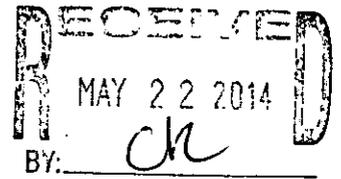
1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

May 22, 2014

Carol Rowe
CWM Company, Inc
701 West South Grand
Springfield, IL 62704

Workorder: 1405571

TEL: (217) 522-8001
FAX: (217) 522-8009
RE: Aman Food & Gas



Dear Carol Rowe:

Suburban Laboratories, Inc. received 17 sample(s) on 5/13/2014 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Kelly Culhane
Project Manager
708-544-3260 ext 212
kelly@suburbanlabs.com





Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Case Narrative

Client: CWM Company, Inc	Date: May 22, 2014
Project: Aman Food & Gas	PO #:
WorkOrder: 1405571	QC Level:
Temperature of samples upon receipt at SLI: 3 C	Chain of Custody #: 113296, -297

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

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Workorder Specific Comments:



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 1

Matrix: SOIL

Lab ID: 1405571-001

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 9:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.561	0.00897		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
Ethylbenzene	6.36	0.0359		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
m,p-Xylene	16.9	0.718		mg/Kg-dry	285.81	05/19/2014 6:15 PM	R47190
Methyl tert-butyl ether	ND	0.0359		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
o-Xylene	2.20	0.359		mg/Kg-dry	285.81	05/19/2014 6:15 PM	R47190
Total Xylenes	19.1	0.718		mg/Kg-dry	285.81	05/19/2014 6:15 PM	R47190
Toluene	0.338	0.0359		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	92.8	85.9-111		%REC	28.58	05/17/2014 6:29 PM	R47157
SS: Dibromofluoromethane	108	87.5-113		%REC	28.58	05/17/2014 6:29 PM	R47157
SS: Toluene-d8	101	83.3-121		%REC	28.58	05/17/2014 6:29 PM	R47157

PERCENT MOISTURE

Method: ASTM-D2216-Rev 2005

Analyst: mkl

Percent Moisture	20	1.0		wt%	1	05/19/2014 2:00 PM	R47184
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Client Sample ID: 2

Matrix: SOIL

Lab ID: 1405571-002

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 9:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	1.40	0.151		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Ethylbenzene	28.2	0.603		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
m,p-Xylene	95.1	1.21		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Methyl tert-butyl ether	ND	0.0603		mg/Kg-dry	46.76	05/19/2014 2:34 AM	R47181
o-Xylene	19.4	0.603		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Total Xylenes	115	1.21		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Toluene	0.207	0.0603		mg/Kg-dry	46.76	05/19/2014 2:34 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	46.76	05/19/2014 2:34 AM	R47181
SS: Dibromofluoromethane	97.2	87.5-113		%REC	46.76	05/19/2014 2:34 AM	R47181
SS: Toluene-d8	103	83.3-121		%REC	46.76	05/19/2014 2:34 AM	R47181

PERCENT MOISTURE

Method: ASTM-D2216-Rev 2005

Analyst: mkl

Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184
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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 3

Matrix: SOIL

Lab ID: 1405571-003

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 9:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks		
Benzene	2.20	0.0155		mg/Kg-dry	49.11	05/19/2014 3:09 AM	R47181
Ethylbenzene	6.42	0.0619		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
m,p-Xylene	8.27	0.124		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
Methyl tert-butyl ether	ND	0.0619		mg/Kg-dry	49.11	05/19/2014 3:09 AM	R47181
o-Xylene	ND	0.0619		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
Total Xylenes	8.27	0.124		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
Toluene	0.102	0.0619		mg/Kg-dry	49.11	05/19/2014 3:09 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	102	85.9-111		%REC	49.11	05/19/2014 3:09 AM	R47181
SS: Dibromofluoromethane	98.8	87.5-113		%REC	49.11	05/19/2014 3:09 AM	R47181
SS: Toluene-d8	99.3	83.3-121		%REC	49.11	05/19/2014 3:09 AM	R47181
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	21	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 4

Matrix: SOIL

Lab ID: 1405571-004

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 9:50 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks		
Benzene	1.63	0.0142		mg/Kg-dry	44.64	05/19/2014 3:44 AM	R47181
Ethylbenzene	20.4	0.568		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
m,p-Xylene	72.4	1.14		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
Methyl tert-butyl ether	ND	0.0568		mg/Kg-dry	44.64	05/19/2014 3:44 AM	R47181
o-Xylene	21.1	0.568		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
Total Xylenes	93.5	1.14		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
Toluene	1.96	0.0568		mg/Kg-dry	44.64	05/19/2014 3:44 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	100	85.9-111		%REC	44.64	05/19/2014 3:44 AM	R47181
SS: Dibromofluoromethane	98.1	87.5-113		%REC	44.64	05/19/2014 3:44 AM	R47181
SS: Toluene-d8	103	83.3-121		%REC	44.64	05/19/2014 3:44 AM	R47181
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	21	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 5

Matrix: SOIL

Lab ID: 1405571-005

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks		
Benzene	0.140	0.0160		mg/Kg-dry	49.43	05/19/2014 4:19 AM	R47181
Ethylbenzene	0.237	0.0638		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
m,p-Xylene	0.729	0.128		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
Methyl tert-butyl ether	ND	0.0638		mg/Kg-dry	49.43	05/19/2014 4:19 AM	R47181
o-Xylene	0.151	0.0638		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
Total Xylenes	0.879	0.128		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
Toluene	ND	0.0638		mg/Kg-dry	49.43	05/19/2014 4:19 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	104	85.9-111		%REC	49.43	05/19/2014 4:19 AM	R47181
SS: Dibromofluoromethane	99.3	87.5-113		%REC	49.43	05/19/2014 4:19 AM	R47181
SS: Toluene-d8	102	83.3-121		%REC	49.43	05/19/2014 4:19 AM	R47181
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	23	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 6

Matrix: SOIL

Lab ID: 1405571-006

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 10:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: JJ		
Benzene	0.463	0.0169		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Ethylbenzene	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
m,p-Xylene	0.184	0.135		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Methyl tert-butyl ether	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
o-Xylene	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Total Xylenes	0.184	0.135		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Toluene	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	95.1	85.9-111		%REC	52.6	05/19/2014 2:19 PM	R47173
SS: Dibromofluoromethane	112	87.5-113		%REC	52.6	05/19/2014 2:19 PM	R47173
SS: Toluene-d8	100	83.3-121		%REC	52.6	05/19/2014 2:19 PM	R47173
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 7

Matrix: SOIL

Lab ID: 1405571-007

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 10:25 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.151	0.0147		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Ethylbenzene	1.30	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
m,p-Xylene	5.32	0.118		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Methyl tert-butyl ether	ND	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
o-Xylene	2.17	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Total Xylenes	7.48	0.118		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Toluene	1.96	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	104	85.9-111		%REC	50.13	05/19/2014 5:30 AM	R47181
SS: Dibromofluoromethane	98.0	87.5-113		%REC	50.13	05/19/2014 5:30 AM	R47181
SS: Toluene-d8	101	83.3-121		%REC	50.13	05/19/2014 5:30 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	15	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 8

Matrix: SOIL

Lab ID: 1405571-008

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 10:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	20.3	0.753		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Ethylbenzene	34.7	3.01		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
m,p-Xylene	125	6.02		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Methyl tert-butyl ether	ND	0.0602		mg/Kg-dry	46.78	05/19/2014 6:05 AM	R47181
o-Xylene	45.0	3.01		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Total Xylenes	170	6.02		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Toluene	133	3.01		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	106	85.9-111		%REC	46.78	05/19/2014 6:05 AM	R47181
SS: Dibromofluoromethane	96.4	87.5-113		%REC	46.78	05/19/2014 6:05 AM	R47181
SS: Toluene-d8	105	83.3-121		%REC	46.78	05/19/2014 6:05 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 9

Matrix: SOIL

Lab ID: 1405571-009

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:10 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.280	0.0149		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Ethylbenzene	4.73	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
m,p-Xylene	18.3	0.119		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Methyl tert-butyl ether	ND	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
o-Xylene	7.80	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Total Xylenes	26.1	0.119		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Toluene	10.3	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	57.06	05/21/2014 5:18 AM	R47273
SS: Dibromofluoromethane	100	87.5-113		%REC	57.06	05/21/2014 5:18 AM	R47273
SS: Toluene-d8	101	83.3-121		%REC	57.06	05/21/2014 5:18 AM	R47273
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	4.4	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 10

Matrix: SOIL

Lab ID: 1405571-010

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:20 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.0467	0.0142		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Ethylbenzene	ND	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
m,p-Xylene	0.156	0.114		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Methyl tert-butyl ether	ND	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
o-Xylene	0.0705	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Total Xylenes	0.227	0.114		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Toluene	0.0825	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	103	85.9-111		%REC	45.83	05/18/2014 8:31 AM	R47158
SS: Dibromofluoromethane	103	87.5-113		%REC	45.83	05/18/2014 8:31 AM	R47158
SS: Toluene-d8	101	83.3-121		%REC	45.83	05/18/2014 8:31 AM	R47158
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	19	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 11

Matrix: SOIL

Lab ID: 1405571-011

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	ND	0.0151		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Ethylbenzene	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
m,p-Xylene	ND	0.121		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Methyl tert-butyl ether	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
o-Xylene	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Total Xylenes	ND	0.121		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Toluene	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	94.6	85.9-111		%REC	49.39	05/19/2014 10:04 PM	R47217
SS: Dibromofluoromethane	114	87.5-113	S	%REC	49.39	05/19/2014 10:04 PM	R47217
SS: Toluene-d8	104	83.3-121		%REC	49.39	05/19/2014 10:04 PM	R47217
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	18	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 12

Matrix: SOIL

Lab ID: 1405571-012

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	ND	0.0146		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Ethylbenzene	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
m,p-Xylene	ND	0.117		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Methyl tert-butyl ether	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
o-Xylene	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Total Xylenes	ND	0.117		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Toluene	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	95.5	85.9-111		%REC	48.21	05/19/2014 10:36 PM	R47217
SS: Dibromofluoromethane	114	87.5-113	S	%REC	48.21	05/19/2014 10:36 PM	R47217
SS: Toluene-d8	103	83.3-121		%REC	48.21	05/19/2014 10:36 PM	R47217
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	17	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 13

Matrix: SOIL

Lab ID: 1405571-013

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:50 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	1.22	0.0175		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Ethylbenzene	10.3	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
m,p-Xylene	22.9	0.140		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Methyl tert-butyl ether	ND	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
o-Xylene	1.22	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Total Xylenes	24.2	0.140		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Toluene	0.156	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	99.1	85.9-111		%REC	53.42	05/21/2014 12:04 PM	R47278
SS: Dibromofluoromethane	103	87.5-113		%REC	53.42	05/21/2014 12:04 PM	R47278
SS: Toluene-d8	101	83.3-121		%REC	53.42	05/21/2014 12:04 PM	R47278
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	24	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 14

Matrix: SOIL

Lab ID: 1405571-014

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.410	0.0164		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Ethylbenzene	9.91	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
m,p-Xylene	1.70	0.131		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Methyl tert-butyl ether	ND	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
o-Xylene	ND	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Total Xylenes	1.70	0.131		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Toluene	ND	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	51.01	05/21/2014 12:42 PM	R47278
SS: Dibromofluoromethane	103	87.5-113		%REC	51.01	05/21/2014 12:42 PM	R47278
SS: Toluene-d8	101	83.3-121		%REC	51.01	05/21/2014 12:42 PM	R47278
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 15

Matrix: SOIL

Lab ID: 1405571-015

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:20 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.346	0.0276		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Ethylbenzene	8.08	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
m,p-Xylene	29.0	0.221		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Methyl tert-butyl ether	ND	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
o-Xylene	12.4	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Total Xylenes	41.4	0.221		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Toluene	3.05	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	107	85.9-111		%REC	89.96	05/21/2014 1:20 PM	R47278
SS: Dibromofluoromethane	102	87.5-113		%REC	89.96	05/21/2014 1:20 PM	R47278
SS: Toluene-d8	101	83.3-121		%REC	89.96	05/21/2014 1:20 PM	R47278

PERCENT MOISTURE

Method: ASTM-D2216-Rev 2005

Analyst: mkl

Percent Moisture	18	1.0		wt%	1	05/19/2014 2:00 PM	R47184
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Client Sample ID: 16

Matrix: SOIL

Lab ID: 1405571-016

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.0637	0.0130		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Ethylbenzene	0.169	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
m,p-Xylene	0.641	0.104		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Methyl tert-butyl ether	ND	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
o-Xylene	0.283	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Total Xylenes	0.924	0.104		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Toluene	0.417	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	43.56	05/21/2014 4:30 AM	R47273
SS: Dibromofluoromethane	101	87.5-113		%REC	43.56	05/21/2014 4:30 AM	R47273
SS: Toluene-d8	102	83.3-121		%REC	43.56	05/21/2014 4:30 AM	R47273

PERCENT MOISTURE

Method: ASTM-D2216-Rev 2005

Analyst: mkl

Percent Moisture	16	1.0		wt%	1	05/19/2014 2:00 PM	R47184
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Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 17

Matrix: SOIL

Lab ID: 1405571-017

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: JJ		
Benzene	ND	0.0141		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Ethylbenzene	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
m,p-Xylene	ND	0.112		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Methyl tert-butyl ether	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
o-Xylene	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Total Xylenes	ND	0.112		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Toluene	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	95.8	85.9-111		%REC	45.4	05/20/2014 1:14 AM	R47217
SS: Dibromofluoromethane	113	87.5-113	S	%REC	45.4	05/20/2014 1:14 AM	R47217
SS: Toluene-d8	103	83.3-121		%REC	45.4	05/20/2014 1:14 AM	R47217
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	19	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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PREP DATES REPORT

Client: CWM Company, Inc
Project: Aman Food & Gas

Report Date: May 22, 2014
Lab Order: 1405571

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1405571-001A	5/5/2014 9:15:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-002A	5/5/2014 9:30:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-003A	5/5/2014 9:40:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-004A	5/5/2014 9:50:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-005A	5/5/2014 10:00:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-006A	5/5/2014 10:15:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-007A	5/5/2014 10:25:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-008A	5/5/2014 10:40:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-009A	5/7/2014 10:10:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-010A	5/7/2014 10:20:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-011A	5/7/2014 10:30:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-012A	5/7/2014 10:40:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-013A	5/7/2014 10:50:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-014A	5/7/2014 11:00:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-015A	5/7/2014 11:20:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-016A	5/7/2014 11:30:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-017A	5/7/2014 11:40:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014

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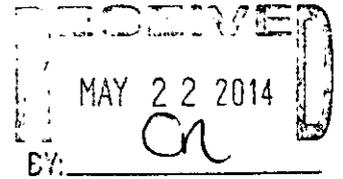
Qualifier Definitions

WO#: 1405571

Date: 5/22/2014

Qualifiers:

- */x Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- c Analyte not in SLI scope of accreditation
- E Estimated, detected above quantitation range
- G Refer to case narrative page for specific comments
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limit (QL)
- N Tentatively identified compounds
- ND Not Detected at the Reporting Limit
- P Present
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits



SUBURBAN LABORATORIES, Inc. 4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com		CHAIN OF CUSTODY RECORD # 113296											
Company Name CW3M Company, Inc.		TURNAROUND TIME REQUESTED <input checked="" type="checkbox"/> Normal <input type="checkbox"/> RUSH* *Additional Rush Charges Approved.											
Company Address 701 S. Grand Ave. W.		ANALYSIS & METHOD REQUESTED Enter an "X" in box below for request											
City State Zip Springfield IL 62704		*Date & Time Needed: _____											
Phone Fax <input type="checkbox"/> Fax Report 217-522-8001 217-522-8009		Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.											
Email Address CWM@CWMCOMPANY.COM		Specify Regulatory Program: <input type="checkbox"/> None/Info Only (Required)											
Project ID / Location Carol L. Rowe		<input checked="" type="checkbox"/> LUST <input type="checkbox"/> SRP <input type="checkbox"/> SDWA											
Project Manager (Report to) Aman Food & Gas		<input type="checkbox"/> 503 Sludge <input type="checkbox"/> NPDES <input type="checkbox"/> MWRDGC											
Sample Collector(s) Name ADR BMW		<input type="checkbox"/> Disposal <input type="checkbox"/> Other* *Please specify in comment section below.											
Shipping Method 301		Reporting Level (at additional charge) 1 2 3 4											
LAB USE ONLY SLI ORDER No. 1405571		Sample containers supplied by customer? <input type="checkbox"/> Yes											
Temperature of Received Samples 3 °C		Samples received the same day as collection? <input type="checkbox"/> Yes											
R- Condition Split LAB #													
SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*		COLLECTION DATE TIME MATRIX GRAB/COMP. Qty CONTAINERS SIZE & TYPE PRESERVATIVE											
1	1	5/5/14	9:15	S	G	1/1	40 mL / 4oz	MeOH / None	X				
2	2	1/1	9:30										
3	3	1/1	9:40										
4	4	1/1	9:50										
5	5	1/1	10:00										
6	6	1/1	10:15										
7	7	1/1	10:25										
8	8	1/1	10:40										
9	9	5/7/14	10:10										
10	10	1/1	10:20										
11	11	1/1	10:30										
12	12	1/1	10:40										
MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Litor (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio		COMMENTS & SPECIAL INSTRUCTIONS: 2013-2014 Rates											
CONDITION CODES 1. Improper/damaged container/cap 2. Improper preservation 3. Insufficient sample volume 4. Headspace/air bubbles for VOCs 5. Received past holding time 6. Received frozen 7. Label conflicts with COC													
1. Relinquished By <i>[Signature]</i>	Date 5/12/14	2. Relinquished By <i>[Signature]</i>	Date 5-13-14										
3. Relinquished By	Date	4. Relinquished By	Date										
Received By <i>[Signature]</i>	<input checked="" type="checkbox"/> Ice present Time 2:00 PM	Received By <i>[Signature]</i>	<input type="checkbox"/> Ice present Time 9:25 A										
Received By	<input type="checkbox"/> Ice present Time	Received By	<input type="checkbox"/> Ice present Time										

000057

Rpt Ver: Kelly 5/22/2014 2:23 PM

SUBURBAN LABORATORIES, Inc. 4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com		CHAIN OF CUSTODY RECORD # 113297	
Company Name CWM Company, Inc.		TURNAROUND TIME REQUESTED <input checked="" type="checkbox"/> Normal <input type="checkbox"/> RUSH* *Additional Rush Charges Approved.	
Company Address 701 S. Grand Ave. W.		ANALYSIS & METHOD REQUESTED Enter an "X" in box below for request	
City Springfield	State IL	Zip 62704	Page 2 of 2
Phone 217-522-8001	Fax 217-522-8009	<input type="checkbox"/> Fax Report	PO No.
Email Address CWM@CWMCOMPANY.COM		Shipping Method	
Project ID / Location Carol L. Rowe		Reporting Level (at additional charge) 1 2 3 4	
Project Manager (Report to) Aman Lead 3 Gas		LAB USE ONLY	
Sample Collector(s) Name MOR / BW		SLI ORDER # 1405571	
Final Report will be emailed		Specify Regulatory Program: <input type="checkbox"/> None/Info Only (Required)	
<input checked="" type="checkbox"/> LUST <input type="checkbox"/> SRP <input type="checkbox"/> SDWA		<input type="checkbox"/> 503 Sludge <input type="checkbox"/> NPDES <input type="checkbox"/> MWRDGC	
<input type="checkbox"/> Disposal <input type="checkbox"/> Other* *Please specify in comment section below.		Sample containers supplied by customer? <input type="checkbox"/> Yes	
Temperature of Received Samples 3 °C		Samples received the same day as collection? <input type="checkbox"/> Yes	
R- Condition Split LAB #		R- Condition Split LAB #	

SAMPLE IDENTIFICATION <small>*Use One Line Per Preservation & Container Type*</small>	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS		PRESERVATIVE	REMARKS
	DATE	TIME			Qty	SIZE & TYPE		
1 13	5/17/14	10:50	S	G	1/1	40 mL / 4oz	None	X
2 14	1/1	11:00						
3 15	1/1	11:20						
4 16	1/1	11:30						
5 17	1/1	11:40						
6	1/1							
7	1/1							
8	1/1							
9	1/1							
10	1/1							
11	1/1							
12	1/1							

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio	COMMENTS & SPECIAL INSTRUCTIONS: 13-14 Rates	RECEIVED MAY 22 2014 DV.
1. Relinquished By 	2. Relinquished By 	3. Relinquished By Date: 5-13-14
Received By 	Received By 	Received By Date: 5-12-14
Time: 2:50 PM	Time: 9:25 AM	Time:

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original. Pink-Sampler Copy

000058

APPENDIX E

OFFICE OF THE STATE FIRE MARSHAL PERMIT FOR REMOVAL

**45-DAY REPORT
AMAN FOOD & GAS
MOLINE, ILLINOIS**



Electronic Filing: Received, Clerk's Office 04/05/2023

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Division of Petroleum and Chemical Safety
1035 Stevenson Drive
Springfield, Illinois 62703-4259
(217)785-1020

FOR OFFICE USE ONLY
Facility # 3-008580
Permit # 00188-2014REM
Request Rec'd 03/11/2014
Amended Date
Approval Date 3/11/2014 DS
Permit Expires 9/11/2014

Permit for REMOVAL of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to remove underground storage tank(s) or piping is hereby granted. Such removal shall not commence until the contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall establish a date certain to perform the UST activity by contacting the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, by telephone at the Springfield office between 8:30 a.m. and 12:00 p.m., at which time a mutually agreed upon date and time for the UST activity shall be scheduled. **THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.**

<p>(1) OWNER OF TANKS - Corporation, partnership, or other business entity: Aman Food & Gas 1830 5th Avenue Moline, IL 61265 Contact: Jeet Singh (309) 764-5501</p>	<p>(2) FACILITY - name and address where tanks are located: Aman Food & Gas 1830 5th Avenue Moline, Rock Island Co., IL Contact: Jeet Singh (309) 764-5501</p>
--	---

(3) REMOVAL OF TANKS:

- (a) Number and size of tanks being removed: (TK # 1) - 5,000 gallons, (TK # 2) - 3,000 gallons, (TK # 3) - 4,000 gallons
- (b) Description/location of piping being removed:
- (c) Product stored in each tank: (TK # 1, 2, 3) - Gasoline
- (d) Reason of tanks being removed:
- (e) If tank(s) is leaking, indicate IEMA incident number: 2014-0247
- (f) Date each tank was last used: (TK # 1, 2) - 04/29/2011, (TK # 3)

The owner must notify this Office when completion of tank removal has occurred, on the Notification for Underground Storage Tank Form. This form can be obtained at www.sfm.illinois.gov or by calling (217)785-1020. After removal is completed, the owner/operator shall perform a site assessment by measuring for the presence of a release where contamination is most likely to be present at the UST site. This is in accordance with the Illinois Administrative Code 176.360 (a) regulations and 40 CFR Part 280.72 (a) Federal Register Requirement.

(5) SPECIAL CONTINGENCIES:

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:	
<p>CW3M Company, Inc. 701 West South Grand Avenue Springfield, IL 62704</p>	<p>Contact Person: Carol L Rowe Phone: (217) 522-8001 Contractor Registration # IL-1723 Exp. 08/09/2014</p>

Sincerely,

Daniel Starks

cc: Storage Tank Safety Specialist -
Fire Department -
Division File
(Rev. - 9/10)

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BY: CR

APPENDIX F

WASTE DISPOSAL DOCUMENTATION

**45-DAY REPORT
AMAN FOOD & GAS
MOLINE, ILLINOIS**



If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 1810455194
b. Manifest Document Number: 3
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1430 5th Ave
Moline IL 61205
f. Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
g. Phone 217-522-8001

h. Owner's Name: [Signature]
i. Owner's Phone No: 618-896-5316

J. Waste Profile #	K. Exp. Date	L. Waste Shipping Name and Description	M. Containers No.	N. Total Quantity	O. Unit Wt/Vol
4724144151	12/31/14	LUST Sol-Unloaded gasoline 954026	01 CM	28.96 T	
"	"	954040	01 CM	29.36 T	
"	"	954059	01 CM	26.56 T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

By: [Signature] Date: 4/30/14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 4/30/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Charles & Son Inc.
2510 CO RD 225 E
MIL SHALES IL 62862

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-1-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-496-2396

c. US EPA Number: 1618100014
d. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature: [Signature] Date: 4-30-14

g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 4-30-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date: [Signature]

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operator or both.

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 1810455194
b. Manifest Document Number: 2
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1430 5th Ave
Moline IL 61205
f. Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
g. Phone 217-522-8001

h. Owner's Name: [Signature]
i. Owner's Phone No: 618-896-5316

J. Waste Profile #	K. Exp. Date	L. Waste Shipping Name and Description	M. Containers No.	N. Total Quantity	O. Unit Wt/Vol
4724144151	12/31/14	LUST Sol-Unloaded gasoline 954098	01 CM	29.20 T	
"	"	954114	01 CM	29.72 T	
"	"	954139	01 CM	30.76 T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

By: [Signature] Date: 5/1/14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/1/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Charles & Son Inc.
2510 CO RD 225 E
MIL SHALES IL 62862

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-1-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-496-2396

c. US EPA Number: 1618100014
d. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature: [Signature] Date: 5-1-14

g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 5-1-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date: [Signature]

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operator or both.



If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 1810455194
b. Manifest Document Number: 3
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1430 5th Ave
Moline IL 61205
f. Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
g. Phone 217-522-8001

h. Owner's Name: [Signature]
i. Owner's Phone No: 618-896-5316

J. Waste Profile #	K. Exp. Date	L. Waste Shipping Name and Description	M. Containers No.	N. Total Quantity	O. Unit Wt/Vol
4724144151	12/31/14	LUST Sol-Unloaded gasoline 954164	01 CM	29.57 T	
"	"	954184	01 CM	33.15 T	
"	"	954216	01 CM	22.52 T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

By: [Signature] Date: 5/1/14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/1/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Charles & Son Inc.
2510 CO RD 225 E
MIL SHALES IL 62862

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-1-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-496-2396

c. US EPA Number: 1618100014
d. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature: [Signature] Date: 5-1-14

g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 5-1-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date: [Signature]

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operator or both.



If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 1810455194
b. Manifest Document Number: 4
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1430 5th Ave
Moline IL 61205
f. Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
g. Phone 217-522-8001

h. Owner's Name: [Signature]
i. Owner's Phone No: 618-896-5316

J. Waste Profile #	K. Exp. Date	L. Waste Shipping Name and Description	M. Containers No.	N. Total Quantity	O. Unit Wt/Vol
4724144151	12/31/14	LUST Sol-Unloaded gasoline 954236	01 CM	21.12 T	
"	"	954269	"	26.93 T	
"	"	954285	"	29.88 T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

By: [Signature] Date: 5/2/14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/2/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Charles & Son Inc.
2510 CO RD 225 E
MIL SHALES IL 62862

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5/2/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-496-2396

c. US EPA Number: 1618100014
d. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature: [Signature] Date: 5/2/14

g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/2/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date: [Signature]

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operator or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

Received, Clerk's Office 04/05/2023

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

Generator manifest form for generator 161045514, manifest document number 5, page 1 of 1. Waste description: LUST Sol-Unleaded gasoline, 954308. Destination: Upper Rock Island Landfill.

Generator manifest form for generator 161045514, manifest document number 6, page 1 of 1. Waste description: LUST Sol-Unleaded gasoline, 954436, 954477, 954511. Destination: Upper Rock Island Landfill.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

Generator manifest form for generator 161045514, manifest document number 7, page 1 of 1. Waste description: LUST Sol-Unleaded gasoline, 954530. Destination: Upper Rock Island Landfill.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

Generator manifest form for generator 161045514, manifest document number 8, page 1 of 1. Waste description: LUST Sol-Unleaded gasoline, 954587, 954605, 954629. Destination: Upper Rock Island Landfill.



If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 9
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1830 5th Ave
Moline IL 61205
Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide:

h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #
k. Exp. Date
l. Waste Shipping Name and Description
m. Containers No. Type
n. Total Quantity
o. Unit Wt/Vol

4724144151	12/31/14	LUST Sol- Unleaded gasoline	01	CM	24.21	T
		954651				
		954668	01	CM	20.33	T
		954694	01	CM	29.2	T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Batch No: BY: [Signature] 5-6-14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5-6-14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Carter Trucking
2510 CO RD 2315 E
Moline, Illinois IL 61206
Phone 618-896-5316

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-6-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
Phone 309-498-2398

b. US EPA Number: 1816100014

c. Discrepancy Indication Space:

d. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print): [Signature]
f. Signature: [Signature]
g. Date: 5-6-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date:

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 10
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1830 5th Ave
Moline IL 61205
Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide:

h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #
k. Exp. Date
l. Waste Shipping Name and Description
m. Containers No. Type
n. Total Quantity
o. Unit Wt/Vol

4724144151	12/31/14	LUST Sol- Unleaded gasoline	01	CM	24.8	T
		954720				
		954772	01	CM	22.62	T
		954762	01	CM	24.69	T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Batch No: BY: [Signature] 5/7/14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/7/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Carter Trucking
2510 CO RD 2315 E
Moline, IL 61206
Phone 618-896-5316

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-7-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
Phone 309-498-2398

b. US EPA Number: 1816100014

c. Discrepancy Indication Space:

d. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print): [Signature]
f. Signature: [Signature]
g. Date: 5-7-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date:

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.



If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III



If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 11
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1830 5th Ave
Moline IL 61205
Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide:

h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #
k. Exp. Date
l. Waste Shipping Name and Description
m. Containers No. Type
n. Total Quantity
o. Unit Wt/Vol

4724144151	12/31/14	LUST Sol- Unleaded gasoline	01	CM	24.69	T
		954785				

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Batch No: BY: [Signature] 5/7/14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/7/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
CHARLES H Carter & Sons, Inc
2510 CO RD 2315 E
Moline, Illinois IL 61206
Phone 618-896-5316

b. Phone: 618-896-5316

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-7-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
Phone 309-498-2398

b. US EPA Number: 1816100014

c. Discrepancy Indication Space:

d. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print): [Signature]
f. Signature: [Signature]
g. Date: 5-7-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date:

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.

I. GENERATOR (Generator completes Ia-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 10
c. Page 1 of 1

d. Generator's Name and Location:
Aman Food & Gas
1830 5th Ave
Moline IL 61205
Phone 563-275-8189

e. Generator's Mailing Address:
CVM Company
701 South Grand Ave West
Springfield IL 62704
Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide:

h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #
k. Exp. Date
l. Waste Shipping Name and Description
m. Containers No. Type
n. Total Quantity
o. Unit Wt/Vol

4724144151	12/31/14	LUST Sol- Unleaded gasoline	01	CM	22.08	T
		955206				

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Batch No: BY: [Signature] 5-12-14

g. Generator Authorized Agent Name (Print): [Signature]
h. Signature: [Signature]
i. Date: 5-12-14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Verplaeze Exc. Viola, LLC
309-596-2166
Moline, Illinois IL 61206
Phone 309-498-2398

b. Phone: 309-596-2166

c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-12-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
Phone 309-498-2398

b. US EPA Number: 1816100014

c. Discrepancy Indication Space:

d. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print): [Signature]
f. Signature: [Signature]
g. Date: 5-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:
c. Responsible Agency Name and Address:
d. Phone:
e. Special Handling Instructions and Additional Information:
f. Frangible Non-Frangible Both % Frangible % Non-Frangible

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print): [Signature]
h. Signature: [Signature]
i. Date:

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes I-a-f)

a. Generator's US EPA ID Number: 1810455194
b. Manifest Document Number: _____
c. Page 1 of 1

d. Generator's Name and Location:
Amun Food & Gas
1330 5th Ave
Moline, IL 61205
Phone: 563-775-8189

e. Generator's Mailing Address:
CWAII Company
701 South Grand Ave West
Springfield, IL 62704
Phone: 217-522-8001

f. Owner of the generating facility differs from the generator, provide:
g. Owner's Name: _____
h. Owner's Phone No: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	Containers No.	Type	Total Quantity	Unit	Vol/Wt
472414151	12/31/14	LUST Sol-Unleaded gasoline 955224	01	CM	22.41	T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Sign: Paul Debra Date: 5-12-14

g. Generator Authorized Agent Name (Print): Paul Debra h. Signature: [Signature] i. Date: 5-12-14

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)

a. Transporter's Name and Address:
Verpactc Exc Viole IL 61456
b. Phone: 309-596-2166

c. Driver Name (Print): Alan Verpactc
d. Signature: [Signature] e. Date: 5-12-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-495-2395

c. US EPA Number: 181100014
d. Discrepancy Indication Space: _____

By certifying that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
M. Mabeus M. Mabeus Date: 5-12-14

IV. ASBESTOS (Generator completes IV-a-f and Operator complete IV-g-i)

a. Operator's Name and Address:
b. Phone: _____
c. Responsible Agency Name and Address:
d. Phone: _____

e. Special Handling Instructions and Additional Information:
f. Frags: Non-Frags: Both: g. Non-Frags:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

h. Operator's Name and Title (Print): _____ i. Signature: [Signature] j. Date: _____

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes I-a-f)

a. Generator's US EPA ID Number: 1810455194
b. Manifest Document Number: _____
c. Page 1 of 1

d. Generator's Name and Location:
Amun Food & Gas
1330 5th Ave
Moline, IL 61205
Phone: 563-775-8189

e. Generator's Mailing Address:
CWAII Company
701 South Grand Ave West
Springfield, IL 62704
Phone: 217-522-8001

f. Owner of the generating facility differs from the generator, provide:
g. Owner's Name: _____
h. Owner's Phone No: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	Containers No.	Type	Total Quantity	Unit	Vol/Wt
472414151	12/31/14	LUST Sol-Unleaded gasoline 955204	01	CM	14.67	T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Sign: Paul Debra Date: 5-12-14

g. Generator Authorized Agent Name (Print): Paul Debra h. Signature: [Signature] i. Date: 5-12-14

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)

a. Transporter's Name and Address:
Verpactc Exc Viole IL 61456
b. Phone: 309-596-2166

c. Driver Name (Print): Alan Verpactc
d. Signature: [Signature] e. Date: 5-12-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-495-2395

c. US EPA Number: 181100014
d. Discrepancy Indication Space: _____

By certifying that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
M. Mabeus M. Mabeus Date: 5-12-14

IV. ASBESTOS (Generator completes IV-a-f and Operator complete IV-g-i)

a. Operator's Name and Address:
b. Phone: _____
c. Responsible Agency Name and Address:
d. Phone: _____

e. Special Handling Instructions and Additional Information:
f. Frags: Non-Frags: Both: g. Non-Frags:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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b. Manifest Document Number: _____
c. Page 1 of 1

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1330 5th Ave
Moline, IL 61205
Phone: 563-775-8189

e. Generator's Mailing Address:
CWAII Company
701 South Grand Ave West
Springfield, IL 62704
Phone: 217-522-8001

f. Owner of the generating facility differs from the generator, provide:
g. Owner's Name: _____
h. Owner's Phone No: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	Containers No.	Type	Total Quantity	Unit	Vol/Wt
472414151	12/31/14	LUST Sol-Unleaded gasoline 955187	01	CM	15.38	T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

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a. Transporter's Name and Address:
Verpactc Exc Viole IL 61456
b. Phone: 309-596-2166

c. Driver Name (Print): Alan Verpactc
d. Signature: [Signature] e. Date: 5-12-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-495-2395

c. US EPA Number: 181100014
d. Discrepancy Indication Space: _____

By certifying that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
M. Mabeus M. Mabeus Date: 5-12-14

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a. Operator's Name and Address:
b. Phone: _____
c. Responsible Agency Name and Address:
d. Phone: _____

e. Special Handling Instructions and Additional Information:
f. Frags: Non-Frags: Both: g. Non-Frags:

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d. Generator's Name and Location:
Amun Food & Gas
1330 5th Ave
Moline, IL 61205
Phone: 563-775-8189

e. Generator's Mailing Address:
CWAII Company
701 South Grand Ave West
Springfield, IL 62704
Phone: 217-522-8001

f. Owner of the generating facility differs from the generator, provide:
g. Owner's Name: _____
h. Owner's Phone No: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	Containers No.	Type	Total Quantity	Unit	Vol/Wt
472414151	12/31/14	LUST Sol-Unleaded gasoline 955233	01	CM	13.48	T	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

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Verpactc Exc Viole IL 61456
b. Phone: 309-596-2166

c. Driver Name (Print): Alan Verpactc
d. Signature: [Signature] e. Date: 5-12-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address:
Upper Rock Island Landfill
17201 20th Ave
East Moline, IL 61244
b. Phone: 309-495-2395

c. US EPA Number: 181100014
d. Discrepancy Indication Space: _____

By certifying that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
M. Mabeus M. Mabeus Date: 5-12-14

IV. ASBESTOS (Generator completes IV-a-f and Operator complete IV-g-i)

a. Operator's Name and Address:
b. Phone: _____
c. Responsible Agency Name and Address:
d. Phone: _____

e. Special Handling Instructions and Additional Information:
f. Frags: Non-Frags: Both: g. Non-Frags:

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h. Operator's Name and Title (Print): _____ i. Signature: [Signature] j. Date: _____

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.

LEAKING UST TECHNICAL REVIEW NOTES

Reviewed by: Eric Kuhlman

Re: LPC #1610455194 – Rock Island County
 Moline / Aman Food & Gas
 1830 5th Avenue
 Leaking UST Incident No. #20140247
 Leaking UST Technical File

Date Reviewed: 8-28-2014

Document(s) Reviewed:

45-Day / AM 45-Day

IEPA - DIVISION OF RECORDS MANAGEMENT
 RELEASEABLE

SEP 29 2014

General Site Information:

REVIEWED Site subject to: 734

IEMA date(s): 3-3-2014	Payment from the Fund? (Y/N/unknown): U
UST system removed? (Y/N): N	OSFM Fac. ID #: 3-008580
Encountered groundwater? (Y/N/U): Y	SWAP mapping and evaluation completion date: 8-28-2014
Free product? (Y/N/unknown): N	Site placement correct in SWAP? (Y/N): Y
Current/past land use: convenience store	MTBE > 40 ppb in groundwater? (Y/N/unknown): U
Size & product of USTs: (1) 5,000 gallon gasoline, (1) 3,000 gallon gasoline, (1) 4,000 gallon gasoline,	
Is site located in EJ area? N	Is investigation of indoor inhalation exposure route required? N

BOL File Information:(optional) (Arranged chronologically):

On 3-3-2014, two (2) waste characterization samples, designated as WC-1 and WC-2, were collected for potential disposal of contaminated backfill and analyzed for BETX and MTBE. Analytical results from WC-1 and WC-2 confirm that a petroleum release occurred in the area.

According to ISGS, ISWS, and Illinois EPA PWS, there are ten (10) wells located within 2,500 feet of the site. Plus, the city of Moline has a groundwater ordinance for the entire city. The ISGS Circular 532, also known as the "Berg Circular" indicates this site is located within an area classified as "C5", a predominantly till with discontinuous sand and gravel locally present within fifty feet of the surface.

45-Day Review Notes:

Based on sampling and observation by CWM, a release had occurred on the property. Removal of all the USTs and product piping is scheduled to begin on 3-30-2014.

An addendum to the 45 Day Report will be submitted to the Illinois EPA as soon as all early action activities have been completed.

Page 2

On 5-1-2014, the USTs were removed from this site. Approximately 771 tons (514 cubic yards) of contaminated backfill was excavated from the former tank pit and properly disposed at a landfill. Soil samples were collected from the excavation walls, floors and piping trench and analyzed for BETX and MTBE. Analytical results indicated COCs greater than Tier I ROs for R Ing in 8(B), and R Inh in 2(B), 3(B), 4(B), 8(B), 13(B), and I/C Inh in 2(B), 3(B), 4(B), 8(B), and CW Inh in 1(B), 2(X), 3(BX), 4(X), 7(X), 8(BTX), 9(X), 13(X), 15(X), and SCGW in 1(B), 2(B), 4(BE), 5(B), 6(B), 7(B), 8(BETX), 9(B), 10(B), 13(B), 14(B), 16(B), 17(B).

Groundwater seeped into the excavation, but not in quantities that inhibit excavation, disposal, or sampling activities. Only a small amount of water accumulated within the excavation when the excavation was open for more than 24 hours. It is likely that contamination has come into contact with the groundwater.

Illinois EPA Recommendation/Comments:

The PM recommends that the 45-Day Report be approved...

Response Due:

8-30-2014

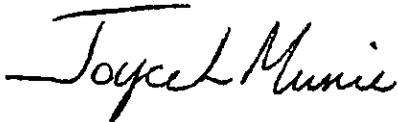
EK:P\

There are costs from this claim that are not being paid. Listed in Attachment A are the costs that are not being paid and the reasons these costs are not being paid.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or require further assistance, please contact Catherine S. Elston of my staff at 217-785-9351.

Sincerely,



Joyce L. Munie
Acting Manager, Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

JLM:CSE 

ATTACHMENT

c: Jeet Singh dba Aman Food & Gas
Leaking UST Claims Unit
Cathy Elston

Attachment A
Accounting Deductions

Re: LPC #1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Incident-Claim No.: 20140247 -- 65798
Queue Date: April 6, 2015
Leaking UST FISCAL FILE

Citations in this attachment are from the Environmental Protection Act (Act), as amended by Public Act 92-0554 on June 24, 2002, and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Item # Description of Deductions

1. \$58.10, adjustment in the handling charges due to the deduction(s) of ineligible costs. Such costs are ineligible for payment from the Fund pursuant to Section 57.1(a) of the Act and 35 Ill. Adm. Code 734.635.

Hotel bills are not eligible for handling charges.

2. Early Action activities must be performed within the Illinois EPA-approved extension dates. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.210(g). In addition, such costs are not approved pursuant to Section 57.7(c)(3) of the Act because they are not site investigation or corrective action costs.

Based upon the above deduction, a deduction of \$4,329.05 was made for the concrete replacement costs from Jeff R. Fry Corporation invoice #803 which is dated July 22, 2014. The Agency granted an early action extension until May 31, 2014.

cse

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal-period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

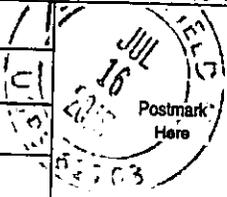
For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

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OFFICIAL SEAL

24	Postage \$	 <p>Postmark Here</p>
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

Total: Re: Jeet Singh dba Aman Food & Gas
 Sent: c/o CWM Company, Inc.
 P.O. Box 571
 Carlinville, IL 62626

PS Form 3800, August 2008 See Reverse for Instructions

7013 2630 0001 4708 2428

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p style="text-align: center;">Re: Jeet Singh dba Aman Food & Gas c/o CWM Company, Inc. P.O. Box 571 Carlinville, IL 62626</p>	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No if YES, enter delivery address below:</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ 9w <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
2. Article Number (Transfer from service label) 7013 2630 0001 4708 2428	
PS Form 3811, July 2013 Domestic Return Receipt	

UNITED STATES POSTAL SERVICE FIELD OFFICE

23 JUL 2006 PM 2:17

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box•

Illinois Environmental Protection Agency
BOL Leaking UST Mail Code #24
Post Office Box 19276
Springfield, IL 62794-9276



BILL PAYMENT SUMMARY

Reviewer: Catherine S. Elston Queue Date: 4/6/15 Initial Review Date: 7/6/15
 Subject to Program: 734
 LPC # & County: 1610455194 / Rock Island County PM: Kuhlman
 Site Name: Moline / Aman Food & Gas
 LUST Incident--Claim # 20140247 - 65798 Billing Period: 3/1/14 to 12/31/14
 Early Action: XX Site Class.: _____ Low Priority: _____ High Priority: _____
 Free Product: _____ Site Invest.: _____ Corrective Action: _____

Amount requested for Early Action: 97,062.78

SUB TOTAL: \$97,062.78

Less: STANDARD DEDUCTIBLE: (5,000.00)

Less: DEDUCTIONS:

Handling charges on hotel bills (58.10)
 Concrete replacement beyond EA extension (4,329.05)

SUMMARY DATE: 7/6/15 ORIGINAL Q-DATE: _____
 NFR DATE: _____
 OPT-IN DATE: _____ Total Amount Due: \$87,675.63

Payee: Jeet Singh Facility: Aman Food & Gas
 Attention: CWM Company, Inc. Address: 1830 5th Avenue
 City/State: Moline
 Address: PO Box 571 County: Rock Island
 City/St./Zip: Carlinville, IL. 62626 000074

TO: Joyce L. Munie
 FROM: Catherine S. Elston

Initial Review Date: 7/6/15
 Project Manager: Kuhlman
 Subject to Program: 734
 Sent to Tech: _____

LPC # & County: 1610455194 / Rock Island County
 Site City & Name: Moline / Aman Food & Gas
 Site Address: 1830 5th Avenue
 LUST Incident-Claim # 20140247 - 65798
 Queue Date: 4/6/2015
 LUST / FISCAL FILE

The above referenced facility's consultants/contractors submission regarding invoices and billings has been reviewed.

The consultant/contractor in this billing package is: CWM Company, Inc.

Queue Date: 4/6/15 120 Day Date: 8/4/15
 Revised Queue Date: _____ Revised 120 Day Date: _____

IEMA: 3/3/14 59 Days After IEMA: 5/1/14
 OSFM: 3/11/14 Date of 45 Day Report: 5/2/14
 F.P. Discovered: _____ 45 Days After Free Product was Discovered: _____
 E.A. Ext Date: 5/31/14 Date of Site Class. Comp. Report: _____
 NFR Date: _____ Date of Site Invest. Comp. Report: _____
 Opt-In Date: _____ Or Stage of Site Invest. work being billed: _____
 Opt-In as New Owner: _____

of Eligible Tanks: 3 Tank Size: 3,000 4, 000 & 5,000
 Tank Pull: 5/1/14 Planned: _____ Not Planned: XX

The **Billing Period** for this claim covers: 3/1/14 to 12/31/14

The **Amount Requested** in this billing package is: \$97,062.78

The **Budget Amount Approved** for this site is: _____

The **Deductible Applied** to this billing package is: (\$5,000.00)

Early Action: XX Site Class.: _____ Low Priority: _____ High Priority: _____
 Free Product: _____ Site Invest.: _____ Corrective Action: _____

MANDATORY DOCUMENTS:

- 1. Payment Certification Form.
- 2. Owner/Operator & Professional Engineer/Geologist Billing Certification Form.
- 3. Private Insurance Coverage Questionnaire & Affidavit Forms.
- 4. Federal Taxpayer Identification Number &/or W-9 Form(s):
- 5. Copy of OSFM Eligibility / Deductibility Letter.
- 6. Women / Minority Business Enterprise Form.

Q
4/6/15

Bulletin 3/1/14-12/1/14
Amt req \$ 97,062.78

Illinois Environmental Protection Agency
BOL - LUST Incident Tracking (L.I.T.)

Removed 5/1/14

Claim # 65798

OSFM 3/11/14

EA

Incident # 20140247 LPC # 1610455194 IEMA Date: 3/3/2014

Site: Amad Food and Gas
Street: 1830 5th Avenue
City: Moline State: IL Zip: 61265
County: Rock Island Latitude: 41.50766 Longitude: -90.5109

PRP: Amad Food and Gas
Attn: Jeet Singh Phone: 5632758189
Street: 5048 Country Court
City: Davenport State: IA Zip: 52807

Project Mgr: Kuhlman
Consultant: CWM Company, Inc.

Subject to: 734 Opt-In Date: Site Class.:
Products: Gasoline

Non-LUST Letter Date: 57.5(g) Letter Date:

20-Day Rpt.: 3/7/2014 45-Day Rpt.: 5/2/2014

NFR Date: Reissued: Recorded:
Reminder: Intent to Void: Rescission:
DLC for Void: Voided:

Alternative Technologies:
Transferred (Date/Program):
Selected 45-Day Report: Select Work Plan:
MTBE > 40 ppb in Groundwater: Early Action Extended to:
Right to Know Status: Reviewed-Not-Ref As of: 8/29/2014
Free Product Discovery Date

Comments: See also # 20030936. Early Action has been extended to May 31, 2014.
Tanks 1-3,000
1-4,000
1-5,000

87,675.63

Deduct \$ 5,000

**Illinois Environmental Protection Agency
BOL - LUST Incident Tracking (L.I.T.)**

Incident #	20140247	LPC #	1610455194	IEMA Date:	3/3/2014
------------	----------	-------	------------	------------	----------

TACO

On-Site

Barriers:

- Building/Structure
- Pavement
- Soil
- Other

Institutional Controls:

- Groundwater Use Restriction
- Ordinance
- Ind./Com. Land Use Restriction
- Worker Caution
- Other

Off-Site

ELUC:

- Groundwater Use Restriction
- Ind./Com. Land Use Restriction
- Engineered Barrier
- Worker Caution
- Soil Handling
- Other

Highway Authority Agreements:

- Highway Authority
- Highway Authority MOA.

General Events

Date	Event Description
3/7/2014	Notice of Release Letter sent
4/22/2014	Early Action Extension Request received
6/2/2014	45 Day Report Addendum received

Title XVI Events

Title XVI Name	Received	Resp. Due	Dec.	Mailed
Site Investigation Plan Budget Stage 1	5/2/2014	8/30/2014	APR	8/29/2014
Site Investigation Stage 1 Plan	5/2/2014	8/30/2014	APR	8/29/2014

Violations

Lust Claims Tracking System

Incident Number	20140247	IEPA Number:	1610455194
Site:	Aman Food & Gas		
Owner:	Singh, Jeet		
Status:	ELG	EPA/OSFM Approval:	1/8/2015
Deductible	\$5,000.00	OPT-IN Date:	
Closure Date:			
Comments			

Request Received	Status Code	Amount Requested	Amount Paid	Voucher Date	Deductible Applied
4/6/2015	NRE	\$97,062.78	\$0.00		\$0.00
		\$97,062.78	\$0.00		\$0.00

Friday, April 10, 2015

**QUEUE DATE TRACKING SHEET
LUST CLAIMS UNIT**

LPC # 1610455194
INCIDENT # 20140247-- 65798

QUEUE DATE: 4/6/2015 120-DAY DATE: 8/4/2015

SITE NAME: Aman Food & Gas

OWNER/ OPERATOR: Singh, Jeet

CLASS CODE: EA PROGRAM: 734

AMOUNT REQUESTED: \$97,062.78

BILLING PERIOD FROM: 3/1/2014 TO: 12/31/2014

CONSULTANT: CW3M CO.

OPT-IN:

NFR:

SENT TO DIVISION FILE:

COMMENTS:

*CHECK Jeet
STATEMENT*
*IS CONCRETE w/ EA
1. FIRE 4 mi ?*

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

February 18, 2015

Mr. Hernandó A. Albarracin, Manager
Illinois Environmental Protection Agency
Leaking Underground Storage Tank Section
P.O. Box 19276
Springfield, IL 62794-9276

Re: Aman Food & Gas
Moline (Rock Island), IL
LUST Incident No. 2014-0247

Dear Mr. Albarracin:

Enclosed under this cover please find the original(s) and copy(s) of **IEPA Owner / Operator Billing Certification Form for Leaking Underground Storage Tank Sites (With appropriate signatures by the Owner/Operator and the Registered Professional Engineer), Form C-1/C-2 Approved Budget Summary & Billing Summary, and Form A-1/A-2 Budget and Billing Form For Leaking Underground Storage Tank Sites for Early Action Activities** for the above referenced Facility, for each billing period represented.

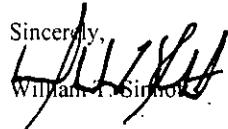
As indicated the Certification(s) apply to work conducted during the following time periods. Accordingly, please find the **IL Environmental Protection Agency Reimbursement (With Documentation) for UST Site Early Action** as follows:

Period: 03/01/14 - through 03/31/14 - Summary Total Cost:	\$ 6,168.32
CW ³ M Company, Inc.	\$ 4,257.70
Subcontractor(s)	\$ 1,910.62
Period: 04/01/14 - through 04/30/14 - Summary Total Cost:	\$ 5,733.39
CW ³ M Company, Inc.	\$ 5,733.39
Subcontractor(s)	\$ 0.00
Period: 05/01/14 - through 05/31/14 - Summary Total Cost:	\$70,527.15
CW ³ M Company, Inc.	\$68,544.05
Subcontractor(s)	\$ 1,983.10
Period: 06/01/14 - through 06/30/14 - Summary Total Cost:	\$ 1,787.40
CW ³ M Company, Inc.	\$ 1,787.40
Subcontractor(s)	\$ 0.00
Period: 07/01/14 - through 07/31/14 - Summary Total Cost:	\$ 8,871.17
CW ³ M Company, Inc.	\$ 4,542.12
Subcontractor(s)	\$ 4,329.05
Period: 12/01/14 - through 12/31/14 - Summary Total Cost:	\$ 3,975.35
CW ³ M Company, Inc.	\$ 3,975.35
Subcontractor(s)	\$ 0.00

Concrete after EA

All Time Periods Represented: **Summary Total(s) Cost: \$ 97,062.78**

We trust the enclosed reimbursement documentation, Engineer Certification(s) and the Owner/Operator Billing Certification are in accord with your needs and requirements. However, should you or your staff have any questions or require additional information please do not hesitate to contact us at your convenience.

Sincerely,

William L. Sinnott

cc: Mr. Jeet Singh
Ms. Carol L. Sinnott-Rowe, P.G.
File

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CW²M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

March 3, 2015

Mrs. Balbir Kaur
Aman Food & Gas
5048 Country Court
Davenport, Iowa 52807

Re: Aman Food & Gas
Incident No. 2014-0247
1830 5th Avenue, Moline, IL
Rock Island County

Dear Mrs. Kaur:

Enclosed please find our Statement/Invoice for Consulting-Engineering Services performed in association with the required Corrective Action Activities and Field Oversight at your facility during the period of March 1, 2014 through March 31, 2014 in the total amount of \$4,257.70. Invoices from other Suppliers/Contractors have and/or will be submitted for your approval under separate cover.

I trust this Statement meets with your approval. However, should you have any questions or require additional information on the matter, please do not hesitate to contact Carol or myself at your convenience.

Sincerely,


William T. Sinnott

cc: Ms. Carol L Sinnott-Rowe, P.G.
File

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APR 06 2015

IEPA/BOL

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

March 3, 2015

Mrs. Balbir Kaur
Aman Food & Gas
5048 Country Court
Davenport, Iowa 52807

Re: Aman Food & Gas
Incident No. 2014-0247
1830 5th Avenue, Moline, IL
Rock Island County

Dear Mrs. Kaur:

Enclosed please find our Statement/Invoice for Consulting-Engineering Services performed in association with the required Corrective Action Activities and Field Oversight at your facility during the period of April 1, 2014 through April 30, 2014 in the total amount of \$5,733.39. Invoices from other Suppliers/Contractors have and/or will be submitted for your approval under separate cover.

I trust this Statement meets with your approval. However, should you have any questions or require additional information on the matter, please do not hesitate to contact Carol or myself at your convenience.

Sincerely,


William T. Sinnott

cc: Ms. Carol L Sinnott-Rowe, P.G.
File

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IEPA/BOL

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

March 3, 2015

Mrs. Balbir Kaur
Aman Food & Gas
5048 Country Court
Davenport, Iowa 52807

Re: Aman Food & Gas
Incident No. 2014-0247
1830 5th Avenue, Moline, IL
Rock Island County

Dear Mrs Kaur:

Enclosed please find our Statement/Invoice for Consulting-Engineering Services performed in association with the required Corrective Action Activities and Field Oversight at your facility during the period of May 1, 2014 through May 31, 2014 in the total amount of \$68,544.05. Invoices from other Suppliers/Contractors have and/or will be submitted for your approval under separate cover.

I trust this Statement meets with your approval. However, should you have any questions or require additional information on the matter, please do not hesitate to contact Carol or myself at your convenience.

Sincerely,


William T. Sinnott

cc: Ms. Carol L Sinnott-Rowe, P.G.
File

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IEPA/BOL

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

March 3, 2015

Mrs. Balbir Kaur
Aman Food & Gas
5048 Country Court
Davenport, Iowa 52807

Re: Aman Food & Gas
Incident No. 2014-0247
1830 5th Avenue, Moline, IL
Rock Island County

Dear Mrs. Kaur:

Enclosed please find our Statement/Invoice for Consulting-Engineering Services performed in association with the required Corrective Action Activities and Field Oversight at your facility during the period of June 1, 2014 through June 30, 2014 in the total amount of \$1,787.40. Invoices from other Suppliers/Contractors have and/or will be submitted for your approval under separate cover.

I trust this Statement meets with your approval. However, should you have any questions or require additional information on the matter, please do not hesitate to contact Carol or myself at your convenience.

Sincerely,


William T. Sinnott

cc: Ms. Carol L Sinnott-Rowe, P.G.
File

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Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

March 3, 2015

Mrs. Balbir Kaur
Aman Food & Gas
5048 Country Court
Davenport, Iowa 52807

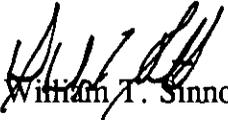
Re: Aman Food & Gas
Incident No. 2014-0247
1830 5th Avenue, Moline, IL
Rock Island County

Dear Mrs. Kaur:

Enclosed please find our Statement/Invoice for Consulting-Engineering Services performed in association with the required Corrective Action Activities and Field Oversight at your facility during the period of July 1, 2014 through July 31, 2014 in the total amount of \$213.07. Invoices from other Suppliers/Contractors have and/or will be submitted for your approval under separate cover.

I trust this Statement meets with your approval. However, should you have any questions or require additional information on the matter, please do not hesitate to contact Carol or myself at your convenience.

Sincerely,


William T. Sinnott

cc: Ms. Carol L Sinnott-Rowe, P.G.
File

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IEPA/BOL

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

March 3, 2015

Mrs. Balbir Kaur
Aman Food & Gas
5048 Country Court
Davenport, Iowa 52807

Re: Aman Food & Gas
Incident No. 2014-0247
1830 5th Avenue, Moline, IL
Rock Island County

Dear Mrs. Kaur:

Enclosed please find our Statement/Invoice for Consulting-Engineering Services performed in association with the required Corrective Action Activities and Field Oversight at your facility during the period of December 1, 2014 through December 31, 2014 in the total amount of \$3,975.35. Invoices from other Suppliers/Contractors have and/or will be submitted for your approval under separate cover.

I trust this Statement meets with your approval. However, should you have any questions or require additional information on the matter, please do not hesitate to contact Carol or myself at your convenience.

Sincerely,


William T. Sinnott

cc: Ms. Carol L Sinnott-Rowe, P.G.
File

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IEPA/BOL

CW³M Company

Electronic Filing: Received, Clerk's Office 04/05/2023

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

February 18, 2015

Mr. Hernando A. Albarracin, Manager
Illinois Environmental Protection Agency
Leaking Underground Storage Tank Section
P.O. Box 19276
Springfield, IL 62794-9276

Re: Aman Food & Gas
Moline (Rock Island), IL
LUST Incident No. 2014-0247

Dear Mr. Albarracin:

Enclosed under this cover please find the original(s) and copy(s) of IEPA Owner / Operator Billing Certification Form for Leaking Underground Storage Tank Sites (With appropriate signatures by the Owner/Operator and the Registered Professional Engineer), Form C-1/C-2 Approved Budget Summary & Billing Summary, and Form A-1/A-2 Budget and Billing Form For Leaking Underground Storage Tank Sites for Early Action Activities for the above referenced Facility, for each billing period represented.

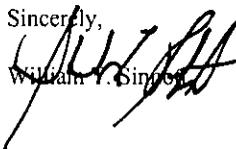
As indicated the Certification(s) apply to work conducted during the following time periods. Accordingly, please find the Il Environmental Protection Agency Reimbursement (With Documentation) for UST Site Early Action as follows:

Period: 03/01/14 - through 03/31/14 - Summary Total Cost:	\$ 6,168.32 ✓
CW ³ M Company, Inc.	\$ 4,257.70
Subcontractor(s)	\$ 1,910.62
Period: 04/01/14 - through 04/30/14 - Summary Total Cost:	\$ 5,733.39 ✓
CW ³ M Company, Inc.	\$ 5,733.39
Subcontractor(s)	\$ 0.00
Period: 05/01/14 - through 05/31/14 - Summary Total Cost:	\$70,527.15
CW ³ M Company, Inc.	\$68,544.05
Subcontractor(s)	\$ 1,983.10
Period: 06/01/14 - through 06/30/14 - Summary Total Cost:	\$ 1,787.40 ✓
CW ³ M Company, Inc.	\$ 1,787.40
Subcontractor(s)	\$ 0.00
Period: 07/01/14 - through 07/31/14 - Summary Total Cost:	\$ 8,871.17
CW ³ M Company, Inc.	\$ 4,542.12
Subcontractor(s)	\$ 4,329.05 After EA
Period: 12/01/14 - through 12/31/14 - Summary Total Cost:	\$ 3,975.35
CW ³ M Company, Inc.	\$ 3,975.35
Subcontractor(s)	\$ 0.00

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All Time Periods Represented: Summary Total(s) Cost: \$ 97,062.78

We trust the enclosed reimbursement documentation, Engineer Certification(s) and the Owner/Operator Billing Certification are in accord with your needs and requirements. However, should you or your staff have any questions or require additional information please do not hesitate to contact us at your convenience.

Sincerely,

William Y. Simpson

cc: Mr. Jeet Singh
Ms. Carol L. Sinnott-Rowe, P.G.
File

REIMBURSEMENT CLAIM
March 1, 2014 - December 31, 2014

Mr. Jeet Singh

AMAN FOOD & GAS
Moline (Rock Island) IL

LPC #1610455194
Incident Number 2014-0247

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Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

General Information for the Budget and Billing Forms

LPC #: 1610455194 County: Rock Island

City: Moline Site Name: Aman Food & Gas

Site Address: 1830 5th Avenue

IEMA Incident No.: 2014-0247

IEMA Notification Date: 3/3/2014

Date this form was prepared: Feb 17, 2015

This form is being submitted as a (check one, if applicable):

- Budget Proposal
- Budget Amendment (Budget amendments must include only the costs over the previous budget.)
- Billing Package

Please provide the name(s) and date(s) of report(s) documenting the costs requested:

Name(s): 45 Day Report 45 Day Addendum

Date(s): 5/2/2014 6/2/2014

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This package is being submitted for the site activities indicated below:

35 III. Adm. Code 734:

- Early Action
- Free Product Removal after Early Action
- Site Investigation Stage 1: Stage 2: Stage 3:
- Corrective Action Actual Costs

35 III. Adm. Code 732:

- Early Action
- Free Product Removal after Early Action
- Site Classification
- Low Priority Corrective Action
- High Priority Corrective Action

35 III. Adm. Code 731:

- Site Investigation
- Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

Pay to the order of: Balbir Kaur

Send in care of: CWM Company, Inc.

Address: P.O. Box 571

City: Carlinville

State: IL

Zip: 62626

The payee is the: Owner Operator (Check one or both.)

BALBIR KAUR

Signature of the owner or operator of the UST(s) (required)

W-9 must be submitted.
[Click here to print off a W-9 Form.](#)

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Number of USTs at the site: 5 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 2

Incident Numbers assigned to the site due to releases from USTs: 2003-0936 2014-0247

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	5,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	3,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Gasoline	6,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Add More Rows

Undo Last Add

Payment Certification Form

This certification must be included with every application for payment from the UST Fund.

I, Aman Food & Gas, the owner or operator of the Leaking UST(s) for which this application for payment is being submitted, certify that \$ 97,062.78 is the amount being sought in this application for payment, \$ 0.00 has already been paid from the Fund for this occurrence, and \$ 0.00 has been sent to the Illinois EPA for payment for this occurrence but has not yet been paid. I further certify that the number of petroleum USTs in Illinois presently owned or operated by the owner or operator, any subsidiary, parent or joint stock company of the owner or operator, and any company owned by any parent, subsidiary or joint stock company of the owner or operator is (check one):

Fewer than 101 101 or more

Except for applications for payment associated with Early Action, I certify that a plan for the work included in this application for payment was approved by the Illinois EPA on N/A; except for applications for payment associated with to 35 Ill. Adm. Code 731, certify that a budget for the work included in this application for payment was approved by the Illinois EPA on N/A; and certify that the amount sought for payment was expended in conformance with the approved budget and approved plan. I further certify that, if the costs included in this application for payment are approved for payment, the following limitations will not be exceeded:

1. Payment will not result in the owner or operator receiving payment of corrective action costs or indemnification costs from the Fund for more than \$1,000,000 per occurrence for sites subject to 35 Ill. Adm. Code 731 or 732. (OR) Payment will not result in the owner or operator receiving payment of corrective action costs or indemnification costs from the Fund for more than \$1,500,000 per occurrence for sites subject to 35 Ill. Adm. Code 734.
2. Payment will not result in the owner or operator receiving payment of corrective action costs or indemnification costs from the Fund incurred during a calendar year in excess of the following amounts:

For costs incurred in calendar years prior to 2002:

\$1,000,000, if fewer than 101 tanks are owned or operated in Illinois.
\$2,000,000, if 101 or more tanks are owned or operated in Illinois.

For costs incurred in calendar years 2002 and later:

\$2,000,000, if fewer than 101 tanks are owned or operated in Illinois.
\$3,000,000, if 101 or more tanks are owned or operated in Illinois.

Owner/Operator Name: Aman Food & Gas

Authorized Representative*: Jeet Singh Title: Owner

Signature: [Signature] Date: 01-15-2015

Subscribed and sworn to before me the 15th day of JANUARY, 2015
(This certification must be notarized when the certification is signed.)

[Signature]
(Notary Public)

Seal:



*For a corporation, a principal executive officer of at least the level of vice president, or a person authorized by a resolution of the board of directors to sign the applicable document if a copy of the resolution, certified as a true copy by the secretary of the corporation, is submitted with the document.

Owner/Operator and Licensed Professional Engineer/Geologist Billing Certification Form

Under penalty of perjury as defined in Section 32-2 of the Criminal Code of 1961 [720 ILCS 5/32-2], I certify to the following:

- The bills in the attached application for payment are for performing corrective action activities associated with Incident # 2014-0247 reported for the Leaking Underground Storage Tank site located at Address: 1830 5th Avenue
City: Moline State: IL Zip: 61265
- The bills are for the billing period March 1, 2014 through December 31, 2014 and were incurred in conformance with the Environmental Protection Act and 35 Ill. Adm. Code 731, 732, or 734.
- The attached application for payment and all documents submitted with it were prepared under the supervision of the licensed professional engineer or licensed professional geologist and the owner and/or operator whose signatures are set forth below and in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information provided. The information in the attached application for payment is, to the best of my knowledge and belief, true, accurate, and complete.
- The costs for remediating the above-listed incident are correct, are reasonable, and if applicable, were determined in accordance with Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734.
- I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Section 44 of the Environmental Protection Act [415 ILCS 5/44] and Section 32-2 of the Criminal Code of 1961 [720 ILCS 5/32-2].

Owner/Operator Name: Aman Food & Gas

Authorized Representative*: Jeet Singh

Address: 5048 Country Court Phone: 563-275-8189

City: Davenport State: IA Zip: 52807

Signature: [Signature] Date: 01-15-2015 APR 06 2015

Subscribed and sworn to before me the 15th day of JANUARY, 2015

[Signature]
(Notary Public)



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EPA/BOL

L.P.E./L.P.G. Name: Vince E. Smith L.P.E./L.P.G. Seal:

L.P.E./L.P.G. Illinois Registration No.: 062-046118

L.P.E./L.P.G. Registration Expiration Date: 11/30/2015

Company Name: CWM Company, Inc.

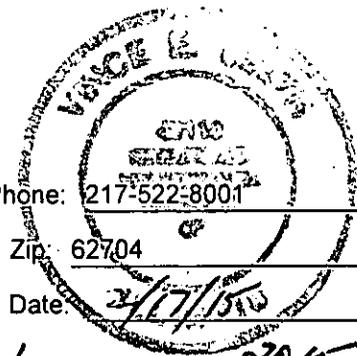
Address: 701 W. South Grand Avenue Phone: 217-522-8001

City: Springfield State: IL Zip: 62704

L.P.E./L.P.G. Signature: [Signature] Date: 2/17/15

Subscribed and sworn to before me the 17th day of FEBRUARY, 2015

[Signature]
(Notary Public)



*For a corporation, a principal executive officer of at least the level of vice president or a person authorized by a resolution of the board of directors to sign the applicable document if a copy of the resolution, certified as a true copy by the Secretary of the corporation, is submitted with the document.

Handling Charges Form

Subcontract or Field Purchase Cost:

- \$0 - \$5,000
- \$5,001 - \$15,000
- \$15,001 - \$50,000
- \$50,001 - \$100,000
- \$100,001 - \$1,000,000

Eligible Handling Charges as a Percentage of Cost:

- 12%
- \$600 + 10% of amt. over \$5,000
- \$1,600 + 8% of amt. over \$15,000
- \$4,400 + 5% of amt. over \$50,000
- \$6,900 + 2% of amt. over \$100,000

Subcontractor Name or Field Purchase	Type of Work Performed by Subcontractor	Subcontractor or Field Purchase Amount (\$)
May FPs: Hotel	Super 8	206.79
Hotel	Super 8	135.60
Hotel (Non Billable)	Super 8	135.60
Rural King	Tank Removal Supplies	132.70
Home Depot	Tank Removal Supplies	31.18
Hotel	Super 8	103.05
Zimmer	Tank Removal Supplies	46.63
Lowe's	Tank Removal Supplies	28.21
City of Moline	Permit Fees	150.00
Windish Trucking	Trucking - equipment moving	700.00
Charles H. Carter	Trucking	5,024.66
Total Subcontractor and Field Purchase Costs:		6113.38 - \$6,694.42

Total Handling Charges: 711.34 \$769.44

*Inelig costs
- 58,10*

UNDERGROUND STORAGE TANK PROGRAM

**Request for Payment of UST Corrective Action Costs
Summary Sheet for All Charges in this Billing Package**

The owner/operator or their representative shall complete this form and place it in the front of the billing package.
All charges in this billing shall be summarized on this form

**Aman Food & Gas
1830 5th Avenue, Moline, IL
2014-0247**

PAYMENT ITEM	TOTAL PAYMENT REQUESTED
PERSONNEL	\$3,877.74 +PD: \$0.00
EQUIPMENT	\$147.00
MATERIALS AND EXPENDABLES (Stock Items)	\$35.76
MATERIALS AND EXPENDABLES (Employee Mileage)	\$197.20
MATERIALS AND EXPENDABLES (Field Purchases)	\$0.00 +HC: \$0.00
SUBCONTRACTORS	\$1,910.62 +HC: \$0.00
TOTAL PAYMENT REQUESTED	\$6,168.32

TPR:3/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: March 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Monday, March 03, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 EA-SB-Field	\$101.24	1.00	\$101.24	\$357.20
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	1.00	\$119.08	\$0.00
<u>Tuesday, March 04, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 20-Day	\$119.08	1.00	\$119.08	\$0.00
	Smith, V.E.	Senior Professional Engineer 7/1	1 20-Day	\$154.84	0.25	\$38.71	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	1.00	\$119.08	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Wednesday, March 05, 2014</u>							
	Haas, R.	Senior Administrative Assistan	1 20-Day	\$53.60	0.50	\$26.80	\$0.00
	Navarro, H.J.	Senior Administrative Assistan	1 45-Day	\$53.60	0.50	\$26.80	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	1.50	\$178.62	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.75	\$89.31	\$0.00
<u>Thursday, March 06, 2014</u>							
	Haas, R.	Senior Administrative Assistan	1 45-Day	\$53.60	0.50	\$26.80	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	1.50	\$178.62	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Friday, March 07, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 20-Day	\$53.60	0.50	\$26.80	\$2.58
	Rowe, C.L.	Senior Project Manager 7/1/20	1 20-Day	\$119.08	1.00	\$119.08	\$0.98
<u>Saturday, March 08, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	0.50	\$59.54	\$0.00

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Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: March 2014

<u>Date of Work</u>	Employee	Position	Type of Work	Hourly Rate	Hours Worked	Labor Subtotal	Expenses
<u>Monday, March 10, 2014</u>							
	Haas, R.	Senior Administrative Assistan	1 45-Day	\$53.60	0.50	\$26.80	\$0.00
	Navarro, H.J.	Senior Administrative Assistan	1 UST-OT	\$53.60	2.50	\$134.00	\$5.25
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	2.00	\$238.16	\$8.25
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.75	\$89.31	\$0.00
<u>Tuesday, March 11, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	0.50	\$59.54	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	1.00	\$119.08	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Wednesday, March 12, 2014</u>							
	Walwer, B.M.	Engineer I 7/2013	1 45-Day	\$89.32	2.00	\$178.64	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
	Haas, R.	Senior Administrative Assistan	1 EA-SB-Field	\$53.60	0.25	\$13.40	\$1.35
	Navarro, H.J.	Senior Administrative Assistan	1 UST-OT	\$53.60	0.75	\$40.20	\$1.35
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	1.25	\$148.85	\$0.00
<u>Thursday, March 13, 2014</u>							
	Walwer, B.M.	Engineer I 7/2013	1 45-Day	\$89.32	2.50	\$223.30	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.75	\$89.31	\$0.00
<u>Friday, March 14, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 EA-SB-Field	\$53.60	0.50	\$26.80	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00

000097

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: March 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Monday, March 17, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Tuesday, March 18, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Wednesday, March 19, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	0.50	\$50.62	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Thursday, March 20, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	0.25	\$29.77	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Friday, March 21, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	0.25	\$29.77	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Monday, March 24, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.25	\$29.77	\$0.00
	Haas, R.	Senior Administrative Assistan	1 EA-SB-Field	\$53.60	0.25	\$13.40	\$3.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Tuesday, March 25, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	0.50	\$50.62	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00

Wednesday, March 26, 2014

000008

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: March 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Thursday, March 27, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.50	\$59.54	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.75	\$89.31	\$0.00
<u>Friday, March 28, 2014</u>							
	Walwer, B.M.	Engineer I 7/2013	1 EA-SB-Field	\$89.32	0.50	\$44.66	\$0.00
<u>Monday, March 31, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
Line Item Totals:					37.75	\$3,877.74	\$379.96

Total project charges for month:	\$4,257.70
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Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

March 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
Haas, R.	Senior Administrative Assistant I 20-Day	\$53.60	0.50	\$26.80
		Haas, R. Total:	0.50	\$26.80
Navarro, H.J.	Senior Administrative Assistant I 20-Day	\$53.60	0.50	\$26.80
		Navarro, H.J. Total:	0.50	\$26.80
Rowe, C.L.	Senior Project Manager 7/1/20 1 20-Day	\$119.08	2.00	\$238.16
		Rowe, C.L. Total:	2.00	\$238.16
Smith, V.E.	Senior Professional Engineer 7/1 20-Day	\$154.84	0.25	\$38.71
		Smith, V.E. Total:	0.25	\$38.71
Haas, R.	Senior Administrative Assistant I 45-Day	\$53.60	1.00	\$53.60
		Haas, R. Total:	1.00	\$53.60
Navarro, H.J.	Senior Administrative Assistant I 45-Day	\$53.60	0.50	\$26.80
		Navarro, H.J. Total:	0.50	\$26.80
Rowe, C.L.	Senior Project Manager 7/1/20 1 45-Day	\$119.08	2.25	\$267.93
		Rowe, C.L. Total:	2.25	\$267.93
Smith, V.E.	Engineer III 7/1/2013 1 45-Day	\$119.08	0.25	\$29.77
		Smith, V.E. Total:	0.25	\$29.77
Walwer, B.M.	Engineer I 7/2013 1 45-Day	\$89.32	4.50	\$401.94
		Walwer, B.M. Total:	4.50	\$401.94
Rowe, C.L.	Senior Project Manager 7/1/20 1 EA-BF-Field	\$119.08	1.00	\$119.08
		Rowe, C.L. Total:	1.00	\$119.08

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

March 2014

Employee	Position		Hourly Rate	Hours Worked	Labor Subtotal
Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	2.00	\$238.16
			Smith, V.E. Total:	2.00	\$238.16
Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.50	\$59.54
			Rowe, C.L. Total:	0.50	\$59.54
Haas, R.	Senior Administrative Assistant 1	EA-SB-Field	\$53.60	0.50	\$26.80
			Haas, R. Total:	0.50	\$26.80
Navarro, H.J.	Senior Administrative Assistant 1	EA-SB-Field	\$53.60	0.50	\$26.80
			Navarro, H.J. Total:	0.50	\$26.80
Rives, M.D.	Engineer II 7/2013	1 EA-SB-Field	\$101.24	1.00	\$101.24
			Rives, M.D. Total:	1.00	\$101.24
Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	2.25	\$267.93
			Rowe, C.L. Total:	2.25	\$267.93
Walwer, B.M.	Engineer I 7/2013	1 EA-SB-Field	\$89.32	0.50	\$44.66
			Walwer, B.M. Total:	0.50	\$44.66
Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	0.50	\$50.62
			Rives, M.D. Total:	0.50	\$50.62
Navarro, H.J.	Senior Administrative Assistant 1	UST-OT	\$53.60	3.25	\$174.20
			Navarro, H.J. Total:	3.25	\$174.20
Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	0.50	\$50.62
			Rives, M.D. Total:	0.50	\$50.62
Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	9.25	\$1,101.49

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

March 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
		Rowe, C.L. Total:	9.25	\$1,101.49
Smith, V.E.	Engineer III 7/1/2013	\$119.08	4.25	\$506.09
		Smith, V.E. Total:	4.25	\$506.09
Project Totals:			37.75	\$3,877.74

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001**Environmental Consulting Services****Project Expenses for: Aman Food & Gas 2014-0247****March 2014**

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
March 3, 2014	PID		1 EA-SB-Field	1.00	\$129.000	\$129.00	<input type="checkbox"/>
March 3, 2014	Mileage \$0.58	RT	1 EA-SB-Field	340.00	\$0.580	\$197.20	<input type="checkbox"/>
March 3, 2014	Measuring Wheel		1 EA-SB-Field	1.00	\$18.000	\$18.00	<input type="checkbox"/>
March 3, 2014	Disposable Latex Gloves		1 EA-SB-Field	1.00	\$13.000	\$13.00	<input type="checkbox"/>
March 7, 2014	Postage	IEPA 20-Day Certification	1 20-Day	1.38	\$1.000	\$1.38	<input type="checkbox"/>
March 7, 2014	Copies	IEPA 20-Day Certification	1 20-Day	8.00	\$0.150	\$1.20	<input type="checkbox"/>
March 7, 2014	Postage	IEPA 20-Day Certification Forms	1 20-Day	0.98	\$1.000	\$0.98	<input type="checkbox"/>
March 10, 2014	Copies	OSFM UST Removal Permit Application	1 UST-OT	13.00	\$0.150	\$1.95	<input type="checkbox"/>
March 10, 2014	Copies	OSFM Issued Removal Permit	1 UST-OT	55.00	\$0.150	\$8.25	<input type="checkbox"/>
March 10, 2014	Copies	IEPA 20-Day Certification	1 UST-OT	22.00	\$0.150	\$3.30	<input type="checkbox"/>
March 12, 2014	Copies	Soil Analytical	1 EA-SB-Field	9.00	\$0.150	\$1.35	<input type="checkbox"/>
March 12, 2014	Copies	OSFM UST Removal Permit	1 UST-OT	9.00	\$0.150	\$1.35	<input type="checkbox"/>
March 24, 2014	Copies	Soil Analytical	1 EA-SB-Field	20.00	\$0.150	\$3.00	<input type="checkbox"/>
						Phase Total:	\$379.96

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SUBURBAN LABORATORIES, Inc.



INVOICE

FEIN # 36-2695636

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
 Tel. (708) 544-3260 • Toll Free (800) 783-LABS
 Fax (708) 544-8587
 www.suburbanlabs.com

Remit To: Suburban Laboratories, Inc.
 1950 S. Batavia Ave., Suite 150
 Geneva, IL 60134
 Phone: 708-544-3260 Fax: 708-544-8587

Invoice#: 110456
 Invoice Date: 3/11/2014
 Terms: NET90
 Invoice Due: 6/9/2014

Carol Rowe
 ACCOUNTS PAYABLE
 CWM Company, Inc
 701 West South Grand
 Springfield, IL 62704

Priority: Rush
 PO:
 Report To: Carol Rowe
 Fax: (217) 522-8009

Work Order: 1403060

Date Received: 3/4/2014

Project: Aman Food and Gas

Item Description	Matrix	Remarks	Qty	Unit Price	% Disc.	Net Price	Total
BTEX + MTBE Solid	Soil	July 2013 - June 2014	2	\$101.24			\$202.48
TCLP Lead by ICP	Soil	July 2013 - June 2014	1	\$123.14			\$123.14
FLASH POINT, Open Cup	Soil	July 2013 - June 2014	1	\$39.29			\$39.29
PAINT FILTER	Soil	July 2013 - June 2014	1	\$16.67			\$16.67
pH (in laboratory) <ATC>	Soil	July 2013 - June 2014	1	\$16.67			\$16.67

Item	Unit	Qty	Total
Shipping & Handling	\$59.55	1	\$59.55
5035 Sampling Kit	\$11.91	2	\$23.82

Sub Total: \$398.25
 Misc. Charges: \$83.37
 Surcharge: 0.00%

INVOICE Total: \$481.62
 Pre-Paid Amount: \$0.00
Total Payable Amount: \$481.62

Comments: Terms per signed agreement

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 MAR 12 2014
 BY: OR



SUBURBAN LABORATORIES, Inc.



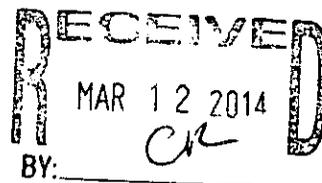
1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

March 11, 2014

Carol Rowe
CWM Company, Inc
701 West South Grand
Springfield, IL 62704

Workorder: 1403060

TEL: (217) 522-8001
FAX: (217) 522-8009
RE: Aman Food and Gas



Dear Carol Rowe:

Suburban Laboratories, Inc. received 2 sample(s) on 3/4/2014 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

A handwritten signature in cursive script that reads 'Kelly Culhane'.

Kelly Culhane
Project Manager
708-544-3260 ext 212
kelly@suburbanlabs.com





Suburban Laboratories, Inc.
1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Case Narrative

Client: CWM Company, Inc
Project: Aman Food and Gas
WorkOrder: 1403060
Temperature of samples upon receipt at SLI: 1 C

Date: March 11, 2014
PO #:
QC Level:
Chain of Custody #: 113212

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

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Workorder Specific Comments:



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc
Project Name: Aman Food and Gas

Report Date: March 11, 2014
Workorder: 1403060

Client Sample ID: WC-1

Matrix: SOIL

Lab ID: 1403060-001

Date Received: 03/04/2014 9:20 AM

Collection Date: 03/03/2014 11:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: JJ		
Benzene	4.08	0.147		mg/Kg-dry	453.68	03/04/2014 10:29 PM	R44471
Ethylbenzene	83.3	0.588		mg/Kg-dry	453.68	03/04/2014 10:29 PM	R44471
m,p-Xylene	265	11.8		mg/Kg-dry	4536.79	03/05/2014 2:03 PM	R44507
Methyl tert-butyl ether	ND	0.588		mg/Kg-dry	453.68	03/04/2014 10:29 PM	R44471
o-Xylene	200	5.88		mg/Kg-dry	4536.79	03/05/2014 2:03 PM	R44507
Total Xylenes	466	11.8		mg/Kg-dry	4536.79	03/05/2014 2:03 PM	R44507
Toluene	84.2	0.588		mg/Kg-dry	453.68	03/04/2014 10:29 PM	R44471
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	104	85.9-111		%REC	453.68	03/04/2014 10:29 PM	R44471
SS: Dibromofluoromethane	99.1	87.5-113		%REC	453.68	03/04/2014 10:29 PM	R44471
SS: Toluene-d8	97.2	83.3-121		%REC	453.68	03/04/2014 10:29 PM	R44471
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	23	1.0		wt%	1	03/05/2014 2:30 PM	R44513

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Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc
 Project Name: Aman Food and Gas

Report Date: March 11, 2014
 Workorder: 1403060

Client Sample ID: WC-2

Matrix: SOIL

Lab ID: 1403060-002

Date Received: 03/04/2014 9:20 AM

Collection Date: 03/03/2014 11:35 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96		Analyst: jmk			
Lead	ND	0.0067		mg/L	1	03/10/2014 1:03 PM	20578
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ			
Benzene	0.120	0.0164		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
Ethylbenzene	4.86	0.0657		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
m,p-Xylene	17.0	0.131		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
Methyl tert-butyl ether	ND	0.0657		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
o-Xylene	6.65	0.0657		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
Total Xylenes	23.7	0.131		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
Toluene	3.44	0.0657		mg/Kg-dry	52.21	03/04/2014 9:55 PM	R44471
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	105	85.9-111		%REC	52.21	03/04/2014 9:55 PM	R44471
SS: Dibromofluoromethane	105	87.5-113		%REC	52.21	03/04/2014 9:55 PM	R44471
SS: Toluene-d8	98.8	83.3-121		%REC	52.21	03/04/2014 9:55 PM	R44471
FLASH POINT, OPEN CUP		Method: ASTM-D92-Rev 2002b		Analyst: LAP			
Flash Point	>212	0	c	°F	1	03/10/2014 3:30 PM	R44673
PAINT FILTER		Method: EPA-9095A-Rev 1, Dec-96		Analyst: LAP			
Free Liquids	PASS	0	c	Pass/Fail	1	03/10/2014 3:30 PM	R44673
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95		Analyst: anb			
pH	8.29			pH Units	1	03/05/2014 3:43 PM	R44538
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005		Analyst: mkl			
Percent Moisture	20	1.0		wt%	1	03/05/2014 2:30 PM	R44513

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Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

PREP DATES REPORT

Client: CWM Company, Inc
Project: Aman Food and Gas

Report Date: March 11, 2014
Lab Order: 1403060

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1403060-001A	3/3/2014 11:30:00 A	20505	5035PR	CLOSED SYSTEM P&T VOC Prep		3/4/2014
1403060-002A	3/3/2014 11:35:00 A	20505	5035PR	CLOSED SYSTEM P&T VOC Prep		3/4/2014
1403060-002B		20578	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		3/7/2014
		20567	1311LM	TCLP SAMPLE PREP (Metals)		3/6/2014

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BY: *ck*



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

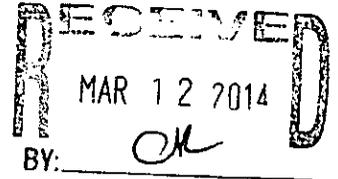
Qualifier Definitions

WO#: 1403060

Date: 3/11/2014

Qualifiers:

- */X Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- c Analyte not in SLI scope of accreditation
- E Estimated, detected above quantitation range
- G Refer to case narrative page for specific comments
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limit (QL)
- N Tentatively identified compounds
- ND Not Detected at the Reporting Limit
- P Present
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits





Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Laboratory Certification for Chemical Analysis

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MAR 21 2014
BY: er

A. Site Identification

IEMA Incident # (6- or 8-digit): _____ IEPA LPC# (10-digit): _____
Site Name: Aman Food & Gas
Site Address (Not a P.O. Box): 1830 5th Avenue
City: Moline County: Rock Island ZIP Code: _____
Leaking UST Technical File _____

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples.
2. Chain-of-custody procedures were followed in the field.
3. Sample integrity was maintained by proper preservation.
4. All samples were properly labeled.

MR
(Initial)
MR
(Initial)
MR
(Initial)
MR
(Initial)

C. Laboratory Representative

I certify that:

1. Proper chain-of-custody procedures were followed as documented on the chain-of-custody forms
2. Sample integrity was maintained by proper preservation.
3. All samples were properly labeled.
4. Quality assurance/quality control procedures were established and carried out.
5. Sample holding times were not exceeded.

RP
(Initial)
RP
(Initial)
RP
(Initial)
RP
(Initial)
RP
(Initial)

- 6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses.
- 7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003).

CP
(Initial)

CP
(Initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Name Math Rives

Title Engineer

Company CWM Company, Inc.

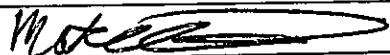
Address 701 South Grand Ave. West

City Springfield

State IL

Zip Code 62704

Phone 217-522-8001

Signature 

Date 3-3-14

Laboratory Representative

Name Kelly Culhane

Title Project Manager

Company Suburban Laboratories, Inc.

Address ~~444 Litt Drive~~ 1950 S Batavia Ave. Ste. 150

City Hillside Geneva

State IL

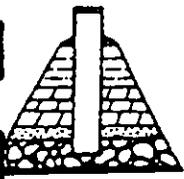
Zip Code ~~62704~~ 60134

Phone 708-544-3260

Signature 

Date 3/11/14

RECEIVED
MAR 21 2014
CR



ADVANCED ENVIRONMENTAL
DRILLING & CONTRACTING, INC.

Electronic Filing Received, Clerk's Office 04/05/2023

P.O. Box 39A
St. Peter, IL 62880
(217) 566-3745
(217) 899-4809 - CELL

Invoice

DATE	INVOICE #
------	-----------

03/03/14

14-1513

BILL TO:

CWM, Inc.
701 W. South Grand
Springfield, IL 62704

Aman Food & Gas
Moline, IL

P.O. NUMBER	TERMS	PROJECT
Moline		

QUANTITY	DESCRIPTION	RATE	AMOUNT
1	Setup and Geoprobe Sampling - minimum	1,429.00	1,429.00
			\$1,429.00

RECEIVED
MAR 20 2014
BY: *CR*

TOTAL 000114

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS
PERSONNEL SUMMARY SHEET**

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/1/2014
To: 3/31/2014

Employee	Work Classification	ST/OT	Rate (\$/Hr)	Total
W.T. Sinnott	Senior Project Manager		\$119.08	\$0.00
W.L. Sinnott	Senior Account Technician		\$61.16	\$0.00
	Project Manager		\$105.28	\$0.00
R. Haas	Senior Account Technician		\$66.80	\$0.00
R. Haas	Senior Administrative Assistant	2.00	\$53.60	\$107.20
C.L. Rowe	Senior Project Manager	17.25	\$119.08	\$2,054.13
M.D. Rives	Engineer II	2.00	\$101.24	\$202.48
				\$0.00
V.E. Smith	Senior Professional Engineer	0.25	\$154.84	\$38.71
V.E. Smith	Engineer III	6.50	\$119.08	\$774.02
V.E. Smith				\$0.00
R.J. Stanley	Professional Geologist		\$104.36	\$0.00
	Senior Draftsperson/CAD		\$66.72	\$0.00
			\$113.44	\$0.00
			\$68.04	\$0.00
B.M. Walwer	Engineer I	5.00	\$89.32	\$446.60
B.M. Walwer	Draftsperson/CAD III		\$59.52	\$0.00
H.J. Navarro	Senior Administrative Assistant	4.75	\$53.60	\$254.60
Total Personnel				\$3,877.74

	No. of Man-Days	Rate Per Day	TOTAL
Per Diem		\$39.00	\$0.00

Pers:3/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/2/2014
To: 3/8/2014

		SUN 2		MON 3		TUE 4		WED 5		THU 6		FRI 7		SAT 8		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
M. D. Rives	EA Drilling/ Release Confirmation															1.00
Engineer II				1.00												
R. Haas	20-Day Report/ 45-Day Report															1.00
Sr Admin Asst								0.50		0.50						
C.L. Rowe	Mobilization/ Site Assesment/ Release Confirmation/ EA Drilling/ EA Notifications/ Reporting/ 20-Day Report/ Tank Removals/ Mobilizations/ Field Report															8.25
Sen. Proj. Manager				1.00		2.00		2.25		1.50		1.00		0.50		
V.E. Smith	PE Review & Certification/ 20-Day Certification															0.25
Sr. Prof. Eng.						0.25										
V.E. Smith	Tank Removals/ Mobilizations/ Field Preparation															1.25
Engineer III						1.00				0.25						
																0.00
Sr. Dftspn/CAD																0.00
Engineer III																
H.J. Navarro	45-Day Report/ 20-Day Report															1.00
Sr. Admin. Asst.								0.50				0.50				
																Total # of Pers.
	Per Diem # of Persons															

000116

Pw:3/2/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/9/2014
To: 3/15/2014

		SUN 9		MON 10		TUE 11		WED 12		THU 13		FRI 14		SAT 15		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas	45-Day Report/ Review & Log Soil Analytical Results															0.75
Sr Admin Asst				0.50				0.25								0.00
Scientist I																
C.L. Rowe	Tank Removals/ Mobilizations/ OSFM Permit Application/ Field Preparation/ Scheduling/ Arrangements/ Coordination/ Review & Log Soil Analytical Results															5.50
Sen. Proj. Manager				2.00		2.00		1.25				0.25				
V.E. Smith																0.00
Sr. Prof. Eng.																
V.E. Smith	Tank Removals/ Mobilizations/ OSFM Permit Application/ Field Preparation/ Scheduling/ Arrangements															2.50
Engineer III				0.75		0.50		0.25		0.75		0.25				
B.M. Walwer																0.00
Dftspn/CAD III																
B.M. Walwer	45-Day Report															4.50
Engineer I								2.00		2.50						
H. Navarro	Tank Removals/ Mobilizations/ Report Distribution/ Field Report															3.75
Sr. Admin. Asst.				2.50				0.75				0.50				
																Total # of Pers.
	Per Diem # of Persons															

000117

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/16/2014
To: 3/22/2014

		SUN 16		MON 17		TUE 18		WED 19		THU 20		FRI 21		SAT 22		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sr Project Mgr																
M.D. Rives	Tank Removals/ Mobilizations/ Field Preparation/ Scheduling/ Arrangements															0.50
Engineer II								0.50								
R. Haas																0.00
Sr Acct Tech																
C.L. Rowe	Tank Removals/ Mobilizations/ 45-Day Report/ Review & Log Soil Analytical Results/ Field Preparation/ Scheduling/ Arrangements/ Coordination															0.75
Sen. Proj. Manager										0.50		0.25				
V.E. Smith	Tank Removals/ Mobilizations/ Field Preparation/ Scheduling/ Arrangements															1.75
Engineer III				0.25		0.25		0.50		0.50		0.25				
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer																0.00
Engineer I																
B.M. Walwer																0.00
Dftspn/CAD III																
H.J. Navarro																0.00
Sr Admin Asst																
																Total # of Pers.
Per Diem # of Persons																

000118

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/23/2014
To: 3/29/2014

		SUN 23		MON 24		TUE 25		WED 26		THU 27		FRI 28		SAT 29		TOTAL
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
M.D. Rives	Tank Removals/ Mobilizations/ Field Preparation/ Arrangements/ Scheduling															0.50
Engineer II						0.50										
R. Haas	Review & Log Soil Analytical Results															0.25
Sr Admin Asst				0.25												
C.L. Rowe	Tank Removals/ Mobilizations/ OSFM Deductibility & Eligibility/ Field Preparation/ Arrangements/ Scheduling/ Coordination															2.75
Sen. Proj. Manager				0.50		0.50		0.50		1.25						
R.J. Stanley																0.00
Prof. Geologist																
V.E. Smith	Review/ Log Analytical Results/ Tank Removals/ Mobilizations/ Field Preparation/ Arrangements/ Scheduling															0.75
Engineer III				0.25		0.25		0.25								
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer	Review/Log Analytical Results															0.50
Engineer I												0.50				
H.J. Navarro																0.00
Sr Admin Asst																
																Total # of Pers.
	Per Diem # of Persons															

000119

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/30/2014
To: 3/31/2014

		SUN 30		MON 31		TUE		WED		THU		FRI		SAT #VALUE!		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																0.00
Sen. Admin. Assist.																0.00
C.L. Rowe																0.00
Sen. Proj. Manager																0.00
R.J. Stanley																0.00
Prof. Geologist																0.25
V.E. Smith	Tank Removals/ Mobilizations/ Arrangements/ Scheduling															0.25
Engineer III				0.25												0.00
Engineer III																0.00
Engineer III																0.00
Engineer III																0.00
Project Manager																0.00
																Total # of Pers.
	Per Diem # of Persons															

Pw:3/30/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

EQUIPMENT WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/2/2014
To: 3/8/2014

EQUIPMENT	SUN 2	MON 3	TUE 4	WED 5	THU 6	FRI 7	SAT 8	Total Hrs or Days
PID		1 @ \$129.00						1 @ \$129.00
Measuring Wheel		1 @ \$18.00						1 @ \$18.00

Contractor's Authorized Representative:

Date:

Date:

Ew:3/2/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

MATERIALS AND EXPENDABLES

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/1/2014
To: 3/31/2014

Supplies	Quantity (Miles)	Price/Mile	Total Cost
Employee Mileage			
W.T. Sinnott	0	\$0.58	\$0.00
C.L. Rowe		\$0.58	\$0.00
R.J. Stanley		\$0.58	\$0.00
V.E. Smith	0	\$0.58	\$0.00
M.D. Rives	340	\$0.58	\$197.20
	0	\$0.58	\$0.00
		\$0.58	\$0.00
CW ³ M Company Office Location: Springfield & Marion, Illinois/ Workshop Location: Cantrall, Illinois			
Total Material Costs			\$197.20

M:3/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

MATERIALS AND EXPENDABLES WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 3/2/2014
To: 3/8/2014

EQUIPMENT Employee Mileage	SUN 2	MON 3	TUE 4	WED 5	THU 6	FRI 7	SAT 8	Total Hrs or Days
M.D. Rives		340 @ \$.58 = \$197.20						340 @ \$.58 = \$197.20

Contractor's Authorized Representative:

Date:

Date:

Mw:3/2/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

SUBCONTRACTORS

Job Name: Aman Food & Gas	Billing Period
Contractor: CW³M Company, Inc.	From: 3/1/2014
	To: 3/31/2014

Subcontractors Name	Work Description	Subcontract Amount
Suburban Laboratories, Inc. 1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134 708-544-3260	Lab Analysis Invoice #110456	\$481.62
Advanced Environmental Drilling PO Box 39A St. Peter, Illinois 62880 217-566-3745	Drilling Invoice #14-1513	\$1,429.00

Subtotal	\$1,910.62
Handling Charge	
Total Subcontract Cost	\$1,910.62

**UNDERGROUND STORAGE TANK PROGRAM
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

The IEPA is required to report State and Federal Funds paid to Women's Business Enterprises (WBE) and to Minority Business Enterprises (MBE). Therefore, please provide the required information for all Prime Consultants/Contractors and Subcontractors used to perform the work for this billing.

Name of LUST Site: **Aman Food & Gas**

Incident Number: **2014-0247**

The work for this billing was performed from:

3/1/2014

to:

3/31/2014

Prime Consultants and/or Contractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
CW ³ M Company, Inc. 701 South Grand Avenue West Springfield, Illinois 62704 (217) 522-8001	NO	N/A	\$4,257.70
Billing Subtotal			\$4,257.70

Subcontractors:

Suburban Laboratories, Inc. 1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134 708-544-3260	NO	N/A	\$481.62
Advanced Environmental Drilling PO Box 39A St. Peter, Illinois 62880 217-566-3745	NO	N/A	\$1,429.00
	NO	N/A	
	NO	N/A	

BILLING TOTAL	\$6,168.32
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**If the firm is a WBE, place the term WBE in the space provided. If the firm is a MBE, place the term MBE in the space provided. If the firm is neither a WBE nor MBE, place the word NO in the space provided.

WBE: 3/14

UNDERGROUND STORAGE TANK PROGRAM

**Request for Payment of UST Corrective Action Costs
Summary Sheet for All Charges in this Billing Package**

The owner/operator or their representative shall complete this form and place it in the front of the billing package.
All charges in this billing shall be summarized on this form

**Aman Food & Gas
1830 5th Avenue, Moline, IL
2014-0247**

PAYMENT ITEM	TOTAL PAYMENT REQUESTED	
PERSONNEL	\$5,379.15 +PD:	\$58.50
EQUIPMENT		\$181.00
MATERIALS AND EXPENDABLES (Stock Items)		\$3.38
MATERIALS AND EXPENDABLES (Employee Mileage)		\$111.36
MATERIALS AND EXPENDABLES (Field Purchases)	\$0.00 +HC:	\$0.00
SUBCONTRACTORS	\$0.00 +HC:	\$0.00
TOTAL PAYMENT REQUESTED		\$5,733.39

TPR:4/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: April 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Tuesday, April 01, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	0.50	\$50.62	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Wednesday, April 02, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 EA-Reimb	\$119.08	0.25	\$29.77	\$0.00
<u>Monday, April 07, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Monday, April 14, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Thursday, April 17, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	1.00	\$119.08	\$0.98
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.25	\$29.77	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.75	\$89.31	\$0.00
<u>Friday, April 18, 2014</u>							
	Haas, R.	Senior Administrative Assistan	1 45-Day	\$53.60	0.25	\$13.40	\$0.60
<u>Tuesday, April 22, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 45-Day	\$53.60	0.25	\$13.40	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.25	\$29.77	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
<u>Wednesday, April 23, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	1.75	\$208.39	\$0.00

000129

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS
PERSONNEL SUMMARY SHEET**

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/1/2014
To: 4/30/2014

Employee	Work Classification	ST/OT	Rate (\$/Hr)	Total
W.T. Sinnott	Senior Project Manager		\$119.08	\$0.00
W.L. Sinnott	Senior Account Technician		\$61.16	\$0.00
	Project Manager		\$105.28	\$0.00
R. Haas	Senior Account Technician		\$66.80	\$0.00
R. Haas	Senior Administrative Assistant	0.25	\$53.60	\$13.40
C.L. Rowe	Senior Project Manager	8.75	\$119.08	\$1,041.95
M.D. Rives	Engineer II	23.00	\$101.24	\$2,328.52
				\$0.00
V.E. Smith	Senior Professional Engineer	1.50	\$154.84	\$232.26
V.E. Smith	Engineer III	6.00	\$119.08	\$714.48
V.E. Smith				\$0.00
R.J. Stanley	Professional Geologist	5.25	\$109.56	\$575.19
	Senior Draftsperson/CAD		\$66.72	\$0.00
			\$113.44	\$0.00
M.C. Dhabalt	Technician IV	3.00	\$71.44	\$214.32
B.M. Walwer	Engineer I	2.75	\$89.32	\$245.63
B.M. Walwer	Draftsperson/CAD III		\$59.52	\$0.00
H.J. Navarro	Senior Administrative Assistant	0.25	\$53.60	\$13.40
Total Personnel				\$5,379.15

	No. of Man-Days	Rate Per Day	TOTAL
Per Diem	1.5	\$39.00	\$58.50

Pers:4/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/1/2014
To: 4/5/2014

		SUN		MON		TUE 1		WED 2		THU 3		FRI 4		SAT 5		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas																0.00
Sr Acct Tech																
M.D. Rives	Tank Removals/ Mobilizations/ Scheduling/ Field Preparation/ Arrangements															0.50
Engineer II						0.50										
C.L. Rowe																0.00
Sen. Proj. Manager																
R.J. Stanley																0.00
Prof. Geologist																
V.E. Smith	Tank Removals/ Mobilizations/ Scheduling/ Field Preparation/ Arrangements															0.75
Engineer III						0.50		0.25								
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer																0.00
Engineer I																
																0.00
Project Manager																
																Total # of Pers.
	Per Diem # of Persons															

Pw:4/1/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/13/2014
To: 4/19/2014

		SUN 13		MON 14		TUE 15		WED 16		THU 17		FRI 18		SAT 19		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas	IEPA EA Reporting/ Project Correspondence/ Status Reports															0.25
Sr Admin Asst												0.25				
																0.00
Scientist I																
C.L. Rowe	IEPA EA Reporting/ Project Correspondence/ Status Reports/ Tank Removals/ Mobilizations/ Arrangements/ Field Preparation/ Coordination															1.75
Sen. Proj. Manager										1.75						
V.E. Smith																0.00
Sr. Prof. Eng.																
V.E. Smith	Tank Removals/ Mobilizations/ 45-Day Report/ Arrangements/ Field Preparation															0.50
Engineer III				0.25						0.25						
B.M. Walwer																0.00
Dftspsn/CAD III																
B.M. Walwer																0.00
Engineer I																
H.J. Navarro																0.00
Sr. Admin. Asst.																
																Total # of Pers.
	Per Diem # of Persons															

000133

Pw:4/13/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/20/2014
To: 4/26/2014

		SUN 20		MON 21		TUE 22		WED 23		THU 24		FRI 25		SAT 26		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sr Project Mgr																
M.D. Rives	Tank Removals/ Mobilizations/ Arrangements/ Scheduling															4.00
Engineer II										4.00						
R. Haas																0.00
Sr Acct Tech																
C.L. Rowe	IEPA Project Correspondence/ Status Reports/ Tank Removals/ Mobilizations/ Arrangements/ Scheduling/ Coordination															3.50
Sen. Proj. Manager								2.25		1.25						
V.E. Smith	Tank Removals/ Mobilizations/ 45- Day Report/ Arrangements/ Scheduling															2.75
Engineer III						0.50		1.00		0.75		0.50				
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer																0.00
Engineer I																
B.M. Walwer																0.00
Dftspn/CAD III																
H.J. Navarro	45-Day Report Distribution															0.25
Sr Admin Asst						0.25										
																Total # of Pers.
	Per Diem # of Persons															

Pw:4/20/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/27/2014
To: 4/30/2014

		SUN 27		MON 28		TUE 29		WED 30		THU		FRI		SAT		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
M.D. Rives	Tank Removals/ Mobilizations/ UST Uncover & Removal															18.50
Engineer II				2.25		6.75		9.50								
R.J. Stanley	Tank Removals/ Mobilizations/ Coordination/ Arrangements/ Subcontractors															5.25
Prof Geologist						3.50		1.75								
C.L. Rowe	Tank Removals/ Mobilizations/ IEPA Project Correspondence/ Status Reports/ Coordination/ Arrangements/ Subcontractors															3.25
Sen. Proj. Manager				0.75		1.00		1.50								
M.C. Dhabalt	Tank Removals/ Mobilizations															3.00
Technician IV						3.00										
V.E. Smith	Tank Removals/ Mobilizations															1.75
Engineer III				0.50		0.50		0.75								
V.E. Smith	PE Review & Certification															1.50
Sr Prof Engr						1.50										
B.M. Walwer	45-Day Report															2.75
Engineer I				2.75												
H.J. Navarro																0.00
Sr Admin Asst																
																Total # of Pers.
Per Diem # of Persons						0.5		1								

Pw:4/27/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: April 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	1.00	\$119.08	\$0.00
<u>Thursday, April 24, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	1.25	\$148.85	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	4.00	\$404.96	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Friday, April 25, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Monday, April 28, 2014</u>							
	Walwer, B.M.	Engineer I 7/2013	1 45-Day	\$89.32	2.75	\$245.63	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	0.75	\$75.93	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	1.50	\$151.86	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Tuesday, April 29, 2014</u>							
	Smith, V.E.	Senior Professional Engineer 7/	1 45-Day	\$154.84	1.50	\$232.26	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	0.00	\$0.00	\$19.50
	Dhabalt, M.C.	Technician IV 7/2013	1 UST-OT	\$71.44	3.00	\$214.32	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	6.75	\$683.37	\$96.86
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00

000136

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: April 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 UST-OT	\$109.56	3.50	\$383.46	\$0.00
<u>Wednesday, April 30, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	0.50	\$59.54	\$1.80
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	9.50	\$961.78	\$234.50
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	1.00	\$119.08	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 UST-OT	\$109.56	1.75	\$191.73	\$0.00
Line Item Totals:					50.75	\$5,379.15	\$354.24

Total project charges for month:	\$5,733.39
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000137

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

April 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
Haas, R.	Senior Administrative Assistant 1 45-Day	\$53.60	0.25	\$13.40
		Haas, R. Total:	0.25	\$13.40
Navarro, H.J.	Senior Administrative Assistant 1 45-Day	\$53.60	0.25	\$13.40
		Navarro, H.J. Total:	0.25	\$13.40
Rowe, C.L.	Senior Project Manager 7/1/20 1 45-Day	\$119.08	4.50	\$535.86
		Rowe, C.L. Total:	4.50	\$535.86
Smith, V.E.	Engineer III 7/1/2013 1 45-Day	\$119.08	0.50	\$59.54
	Senior Professional Engineer 7/1 45-Day	\$154.84	1.50	\$232.26
		Smith, V.E. Total:	2.00	\$291.80
Walwer, B.M.	Engineer I 7/2013 1 45-Day	\$89.32	2.75	\$245.63
		Walwer, B.M. Total:	2.75	\$245.63
Rives, M.D.	Engineer II 7/2013 1 EA-BF-Field	\$101.24	0.75	\$75.93
		Rives, M.D. Total:	0.75	\$75.93
Rowe, C.L.	Senior Project Manager 7/1/20 1 EA-BF-Field	\$119.08	1.00	\$119.08
		Rowe, C.L. Total:	1.00	\$119.08
Smith, V.E.	Engineer III 7/1/2013 1 EA-BF-Field	\$119.08	1.25	\$148.85
		Smith, V.E. Total:	1.25	\$148.85
Smith, V.E.	Engineer III 7/1/2013 1 EA-Reimb	\$119.08	0.25	\$29.77
		Smith, V.E. Total:	0.25	\$29.77
Rives, M.D.	Engineer II 7/2013 1 UST-OS	\$101.24	9.50	\$961.78

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

April 2014

Employee	Position		Hourly Rate	Hours Worked	Labor Subtotal
		Rives, M.D.	Total:	9.50	\$961.78
Dhabalt, M.C.	Technician IV 7/2013	1 UST-OT	\$71.44	3.00	\$214.32
		Dhabalt, M.C.	Total:	3.00	\$214.32
Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	12.75	\$1,290.81
		Rives, M.D.	Total:	12.75	\$1,290.81
Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	3.25	\$387.01
		Rowe, C.L.	Total:	3.25	\$387.01
Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	4.00	\$476.32
		Smith, V.E.	Total:	4.00	\$476.32
Stanley, R.J.	Professional Geologist 7/1/201	1 UST-OT	\$109.56	5.25	\$575.19
		Stanley, R.J.	Total:	5.25	\$575.19
Project Totals:				50.75	\$5,379.15

CW M Company

400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238

701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

April 2014

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
April 17, 2014	Postage	Postage: IEPA EA Project Correspondence	1 45-Day	0.98	\$1.000	\$0.98	<input type="checkbox"/>
April 18, 2014	Copies	IEPA Early Action Project Correspondence	1 45-Day	4.00	\$0.150	\$0.60	<input type="checkbox"/>
April 29, 2014	Mileage \$0.58	OW	1 UST-OT	167.00	\$0.580	\$96.86	<input type="checkbox"/>
April 29, 2014	Per Diem		1 UST-OS	0.50	\$39.000	\$19.50	<input type="checkbox"/>
April 30, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00	<input type="checkbox"/>
April 30, 2014	Digital Camera		1 UST-OS	1.00	\$10.000	\$10.00	<input type="checkbox"/>
April 30, 2014	Mileage \$0.58	Local/Hotel	1 UST-OS	25.00	\$0.580	\$14.50	<input type="checkbox"/>
April 30, 2014	Copies	IEPA Project Correspondence	1 45-Day	12.00	\$0.150	\$1.80	<input type="checkbox"/>
April 30, 2014	Measuring Wheel		1 UST-OS	1.00	\$18.000	\$18.00	<input type="checkbox"/>
April 30, 2014	Water Level Indicator		1 UST-OS	1.00	\$24.000	\$24.00	<input type="checkbox"/>
April 30, 2014	PID		1 UST-OS	1.00	\$129.000	\$129.00	<input type="checkbox"/>
Phase Total:						\$354.24	

000140

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

EQUIPMENT WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/27/2014
To: 4/30/2014

EQUIPMENT	SUN 27	MON 28	TUE 29	WED 30	THU	FRI	SAT	Total Hrs or Days
Digital Camera				1 @ \$10.00				1 @ \$10.00
Measuring Wheel				1 @ \$18.00				1 @ \$18.00
Water Level Indicator				1 @ \$24.00				1 @ \$24.00
PID				1 @ \$129.00				1 @ \$129.00

Contractor's Authorized Representative:

Date:

Date:

Ew:4/27/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

MATERIALS AND EXPENDABLES WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 4/27/2014
To: 4/30/2014

EQUIPMENT Employee Mileage	SUN 27	MON 28	TUE 29	WED 30	THU	FRI	SAT	Total Hrs or Days
M.D. Rives			167 @ \$.58 = \$96.86	25 @ \$.58 = \$14.50				192 @ \$.58 = \$111.36

Contractor's Authorized Representative:

Date:

Date:

Mw:4/27/14

**UNDERGROUND STORAGE TANK PROGRAM
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

The IEPA is required to report State and Federal Funds paid to Women's Business Enterprises (WBE) and to Minority Business Enterprises (MBE). Therefore, please provide the required information for all Prime Consultants/Contractors and Subcontractors used to perform the work for this billing.

Name of LUST Site: **Aman Food & Gas**

Incident Number: **2014-0247**

The work for this billing was performed from: **4/1/2014**
Prime Consultants and/or Contractors:

to: **4/30/2014**

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
CW ³ M Company, Inc. 701 South Grand Avenue West Springfield, Illinois 62704 (217) 522-8001	NO	N/A	\$5,733.39
Billing Subtotal			\$5,733.39

Subcontractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
	NO	N/A	

BILLING TOTAL	\$5,733.39
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**If the firm is a WBE, place the term WBE in the space provided. If the firm is a MBE, place the term MBE in the space provided. If the firm is neither a WBE nor MBE, place the word NO in the space provided.

WBE: 4/14

UNDERGROUND STORAGE TANK PROGRAM

**Request for Payment of UST Corrective Action Costs
Summary Sheet for All Charges in this Billing Package**

The owner/operator or their representative shall complete this form and place it in the front of the billing package.
All charges in this billing shall be summarized on this form

**Aman Food & Gas
1830 5th Avenue, Moline, IL
2014-0247**

PAYMENT ITEM	TOTAL PAYMENT REQUESTED
PERSONNEL	\$9,844.86 +PD: \$195.00
EQUIPMENT	\$56,917.95
MATERIALS AND EXPENDABLES (Stock Items)	\$142.64
MATERIALS AND EXPENDABLES (Employee Mileage)	\$331.76
MATERIALS AND EXPENDABLES (Field Purchases)	\$342.39 +HC: \$96.98
SUBCONTRACTORS	\$1,983.10 +HC: \$672.47
TOTAL PAYMENT REQUESTED	\$70,527.15

TPR:5/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: May 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Thursday, May 01, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 45-Day	\$53.60	2.00	\$107.20	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	2.25	\$267.93	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.00	\$119.08	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	1.25	\$148.85	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	1.00	\$119.08	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	11.00	\$1,113.64	\$11,489.69
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	1.00	\$119.08	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54	\$0.00
<u>Friday, May 02, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 45-Day	\$53.60	4.75	\$254.60	\$30.41
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	2.00	\$238.16	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Senior Draftsperson / CAD 7/1	1 45-Day	\$71.44	0.75	\$53.58	\$0.00
	Smith, V.E.	Senior Professional Engineer 7/	1 45-Day	\$154.84	0.25	\$38.71	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	10.50	\$1,063.02	\$357.15
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.00	\$119.08	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	0.50	\$59.54	\$0.00
	Navarro, H.J.	Senior Administrative Assistan	1 UST-OT	\$53.60	0.25	\$13.40	\$0.00
<u>Saturday, May 03, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
<u>Sunday, May 04, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: May 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Monday, May 05, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	9.75	\$987.09	\$296.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.50	\$178.62	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 EA-BF-Field	\$109.56	0.50	\$54.78	\$0.00
<u>Tuesday, May 06, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.25	\$29.77	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	8.00	\$809.92	\$223.50
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.75	\$89.31	\$0.00
<u>Wednesday, May 07, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	10.50	\$1,063.02	\$463.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
<u>Thursday, May 08, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	1.50	\$151.86	\$4.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 EA-BF-Field	\$109.56	0.75	\$82.17	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.50	\$59.54	\$0.00
	Navarro, H.J.	Senior Administrative Assistan	1 UST-OT	\$53.60	0.00	\$0.00	\$0.48
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.25	\$29.77	\$0.00
<u>Friday, May 09, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	0.00	\$0.00	\$0.75
<u>Saturday, May 10, 2014</u>							

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: May 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	0.75	\$89.31	\$0.00
<u>Monday, May 12, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 EA-BF-Field	\$53.60	3.00	\$160.80	\$0.75
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	0.00	\$0.00	\$34,420.23
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.00	\$119.08	\$0.00
	Walwer, B.M.	Engineer I 7/2013	1 EA-BF-Field	\$89.32	0.50	\$44.66	\$0.00
<u>Tuesday, May 13, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	0.50	\$59.54	\$0.00
	Navarro, H.J.	Senior Administrative Assistan	1 EA-BF-Field	\$53.60	0.75	\$40.20	\$0.00
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	0.00	\$0.00	\$10,590.53
<u>Wednesday, May 14, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.00	\$119.08	\$0.00
<u>Thursday, May 15, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
<u>Friday, May 16, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 EA-BF-Field	\$119.08	0.25	\$29.77	\$0.00
<u>Monday, May 19, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.50	\$59.54	\$0.00
<u>Tuesday, May 20, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.25	\$29.77	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.50	\$178.62	\$0.00
<u>Wednesday, May 21, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.25	\$29.77	\$0.00

000150

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: May 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.00	\$0.00	\$6.45
<u>Thursday, May 22, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 45-Day	\$53.60	0.25	\$13.40	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	0.75	\$89.31	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	2.00	\$238.16	\$0.00
<u>Friday, May 23, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.50	\$59.54	\$0.00
<u>Tuesday, May 27, 2014</u>							
	Rives, M.D.	Engineer II 7/2013	1 45-Day	\$101.24	1.00	\$101.24	\$0.00
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	1.00	\$119.08	\$0.00
<u>Thursday, May 29, 2014</u>							
	Smith, V.E.	Senior Professional Engineer 7/	1 45-Day	\$154.84	0.50	\$77.42	\$0.00
<u>Friday, May 30, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 45-Day	\$53.60	0.00	\$0.00	\$40.35
	Smith, V.E.	Engineer III 7/1/2013	1 45-Day	\$119.08	0.00	\$0.00	\$4.95
	Smith, V.E.	Senior Professional Engineer 7/	1 45-Day	\$154.84	2.00	\$309.68	\$0.00
<u>Saturday, May 31, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 45-Day	\$119.08	0.00	\$0.00	\$1.50
	Sinnott, W.T.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.00	\$0.00	\$769.45
Line Item Totals:					96.25	\$9,844.86	\$58,699.19

Total project charges for month: \$68,544.05

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Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

May 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
Navarro, H.J.	Senior Administrative Assistant 1 45-Day	\$53.60	7.00	\$375.20
		Navarro, H.J. Total:	7.00	\$375.20
Rives, M.D.	Engineer II 7/2013 1 45-Day	\$101.24	1.00	\$101.24
		Rives, M.D. Total:	1.00	\$101.24
Rowe, C.L.	Senior Project Manager 7/1/20 1 45-Day	\$119.08	5.50	\$654.94
		Rowe, C.L. Total:	5.50	\$654.94
Smith, V.E.	Engineer III 7/1/2013 1 45-Day	\$119.08	1.25	\$148.85
	Senior Draftsperson / CAD 7/1 1 45-Day	\$71.44	0.75	\$53.58
	Senior Professional Engineer 7/1 45-Day	\$154.84	2.75	\$425.81
		Smith, V.E. Total:	4.75	\$628.24
Navarro, H.J.	Senior Administrative Assistant 1 EA-BF-Field	\$53.60	3.75	\$201.00
		Navarro, H.J. Total:	3.75	\$201.00
Rives, M.D.	Engineer II 7/2013 1 EA-BF-Field	\$101.24	40.25	\$4,074.91
		Rives, M.D. Total:	40.25	\$4,074.91
Rowe, C.L.	Senior Project Manager 7/1/20 1 EA-BF-Field	\$119.08	12.75	\$1,518.27
		Rowe, C.L. Total:	12.75	\$1,518.27
Smith, V.E.	Engineer III 7/1/2013 1 EA-BF-Field	\$119.08	3.25	\$387.01
		Smith, V.E. Total:	3.25	\$387.01
Stanley, R.J.	Professional Geologist 7/1/201 1 EA-BF-Field	\$109.56	1.25	\$136.95
		Stanley, R.J. Total:	1.25	\$136.95

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

May 2014

Employee	Position		Hourly Rate	Hours Worked	Labor Subtotal
Walwer, B.M.	Engineer I 7/2013	1 EA-BF-Field	\$89.32	0.50	\$44.66
			Walwer, B.M. Total:	0.50	\$44.66
Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	1.00	\$119.08
			Rowe, C.L. Total:	1.00	\$119.08
Sinnott, W.T.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.00	\$0.00
			Sinnott, W.T. Total:	0.00	\$0.00
Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-SB-Field	\$119.08	1.50	\$178.62
			Rowe, C.L. Total:	1.50	\$178.62
Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	11.00	\$1,113.64
			Rives, M.D. Total:	11.00	\$1,113.64
Navarro, H.J.	Senior Administrative Assistant	1 UST-OT	\$53.60	0.25	\$13.40
			Navarro, H.J. Total:	0.25	\$13.40
Rives, M.D.	Engineer II 7/2013	1 UST-OT	\$101.24	0.00	\$0.00
			Rives, M.D. Total:	0.00	\$0.00
Rowe, C.L.	Senior Project Manager 7/1/20	1 UST-OT	\$119.08	2.00	\$238.16
			Rowe, C.L. Total:	2.00	\$238.16
Smith, V.E.	Engineer III 7/1/2013	1 UST-OT	\$119.08	0.50	\$59.54
			Smith, V.E. Total:	0.50	\$59.54
Project Totals:				96.25	\$9,844.86

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

May 2014

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
May 1, 2014	Digital Camera		1 UST-OS	1.00	\$10.000	\$10.00	<input type="checkbox"/>
May 1, 2014	Measuring Wheel		1 UST-OS	1.00	\$18.000	\$18.00	<input type="checkbox"/>
May 1, 2014	Water Level Indicator		1 UST-OS	1.00	\$24.000	\$24.00	<input type="checkbox"/>
May 1, 2014	UST Removal - Labor and Equip Total	Amount UST Removal over Subpart H	1 UST-OS	-4205.68	\$1.000	(\$4,205.68)	<input type="checkbox"/>
May 1, 2014	Mileage \$0.58		1 UST-OS	25.00	\$0.580	\$14.50	<input type="checkbox"/>
May 1, 2014	UST Removal - Labor and Equip Total	UST Removal, 3 mid-sized tanks, T&M Att	1 UST-OS	15460.87	\$1.000	\$15,460.87	<input type="checkbox"/>
May 1, 2014	PID		1 UST-OS	1.00	\$129.000	\$129.00	<input type="checkbox"/>
May 1, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00	<input type="checkbox"/>
May 2, 2014	Postage	IEPA 45-Day Report	1 45-Day	2.66	\$1.000	\$2.66	<input type="checkbox"/>
May 2, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00	<input type="checkbox"/>
May 2, 2014	Field Purchase	Hotel Overnight Charges	1 EA-BF-Field	206.79	\$1.000	\$206.79	<input checked="" type="checkbox"/>
May 2, 2014	Mileage \$0.58	OW Rtn Local/Hotel	1 EA-BF-Field	192.00	\$0.580	\$111.36	<input type="checkbox"/>
May 2, 2014	Copies	IEPA 45-Day Report	1 45-Day	185.00	\$0.150	\$27.75	<input type="checkbox"/>
May 5, 2014	Measuring Wheel		1 EA-BF-Field	1.00	\$18.000	\$18.00	<input type="checkbox"/>
May 5, 2014	Mileage \$0.58	OW	1 EA-BF-Field	150.00	\$0.580	\$87.00	<input type="checkbox"/>
May 5, 2014	Digital Camera		1 EA-BF-Field	1.00	\$10.000	\$10.00	<input type="checkbox"/>
May 5, 2014	PID		1 EA-BF-Field	1.00	\$129.000	\$129.00	<input type="checkbox"/>
May 5, 2014	Disposable Latex Gloves		1 EA-BF-Field	1.00	\$13.000	\$13.00	<input type="checkbox"/>
May 5, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00	<input type="checkbox"/>

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

May 2014

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
May 6, 2014	Measuring Wheel		1 EA-BF-Field	1.00	\$18.000	\$18.00	<input type="checkbox"/>
May 6, 2014	PID		1 EA-BF-Field	1.00	\$129.000	\$129.00	<input type="checkbox"/>
May 6, 2014	Digital Camera		1 EA-BF-Field	1.00	\$10.000	\$10.00	<input type="checkbox"/>
May 6, 2014	Mileage \$0.58	Local/Hotel	1 EA-BF-Field	25.00	\$0.580	\$14.50	<input type="checkbox"/>
May 6, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00	<input type="checkbox"/>
May 6, 2014	Disposable Latex Gloves		1 EA-BF-Field	1.00	\$13.000	\$13.00	<input type="checkbox"/>
May 7, 2014	Stock Item	Ice: Sample Preservation/Field	1 EA-BF-Field	1.00	\$1.000	\$1.00	<input type="checkbox"/>
May 7, 2014	PID		1 EA-BF-Field	1.00	\$129.000	\$129.00	<input type="checkbox"/>
May 7, 2014	Mileage \$0.58	Local Hote/OW Rtn	1 EA-BF-Field	180.00	\$0.580	\$104.40	<input type="checkbox"/>
May 7, 2014	Measuring Wheel		1 EA-BF-Field	1.00	\$18.000	\$18.00	<input type="checkbox"/>
May 7, 2014	Disposable Latex Gloves		1 EA-BF-Field	1.00	\$13.000	\$13.00	<input type="checkbox"/>
May 7, 2014	Disposable Latex Gloves		1 EA-BF-Field	1.00	\$13.000	\$13.00	<input type="checkbox"/>
May 7, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00	<input type="checkbox"/>
May 7, 2014	Field Purchase	Hotel Overnight Charges	1 EA-BF-Field	135.60	\$1.000	\$135.60	<input checked="" type="checkbox"/>
May 7, 2014	Digital Camera		1 EA-BF-Field	1.00	\$10.000	\$10.00	<input type="checkbox"/>
May 8, 2014	Postage	OSFM/Local FPD UST Notification	1 UST-OT	0.48	\$1.000	\$0.48	<input type="checkbox"/>
May 8, 2014	Stock Item	Ice: Sample Shipment	1 EA-BF-Field	4.00	\$1.000	\$4.00	<input type="checkbox"/>
May 9, 2014	Copies	EA Doc/Fld Rpts/Maps/UST Removal	1 UST-OT	5.00	\$0.150	\$0.75	<input type="checkbox"/>
May 12, 2014	Excavation - Labor and Equip Total	Amount ETD over Subpart H	1 EA-BF-Field	-2271.78	\$1.000	(\$2,271.78)	<input type="checkbox"/>
May 12, 2014	Copies	EA Documentation/Disposal	1 EA-BF-Field	5.00	\$0.150	\$0.75	<input type="checkbox"/>

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001**Environmental Consulting Services***Project Expenses for: Aman Food & Gas 2014-0247***May 2014**

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
May 12, 2014	Excavation - Labor and Equip Total	ETD, 507 C.Y. Allowed, T&M Attached	1 EA-BF-Field	36692.01	\$1.000	\$36,692.01	<input type="checkbox"/>
May 13, 2014	Backfill Place & Grade Total	Amount backfill over Subpart H	1 EA-BF-Field	-2268.91	\$1.000	(\$2,268.91)	<input type="checkbox"/>
May 13, 2014	Backfill Place & Grade Total	Backfill, 444.61 C.Y. Allowed, T&M Attac	1 EA-BF-Field	12859.44	\$1.000	\$12,859.44	<input type="checkbox"/>
May 21, 2014	Copies	EA Documentation/UST Removal/ETD	1 EA-BF-Field	43.00	\$0.150	\$6.45	<input type="checkbox"/>
May 30, 2014	Copies	IEPA 45-Day Addendum/Attachments	1 45-Day	269.00	\$0.150	\$40.35	<input type="checkbox"/>
May 30, 2014	Copies	IEPA 45-Day Addendum Report	1 45-Day	33.00	\$0.150	\$4.95	<input type="checkbox"/>
May 31, 2014	Copies	Disposal Documentation	1 45-Day	10.00	\$0.150	\$1.50	<input type="checkbox"/>
May 31, 2014	Field Purchase Handling Charge	Field Purchase Handling Charge	1 EA-Reimb	96.98	\$1.000	\$96.98	<input type="checkbox"/>
May 31, 2014	Subcontractor Handling Charge	Subcontractor Handling Charge	1 EA-Reimb	672.47	\$1.000	\$672.47	<input type="checkbox"/>
Phase Total:						\$58,699.19	

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MOR



2501 52nd Avenue
 Moline, IL 61265
 Tel: (309) 797-5580 Fax: (309) 797-1561
 Email: super8moline1@yahoo.com

05-02-14

Matt Rieds 701 w south Grand Ave Springfield IL 62704 US	Folio No.	: 53433	Room No.	: 142
	A/R Number	:	Arrival	: 04-29-14
	Group Code	:	Departure	: 05-02-14
	Company	:	Conf. No.	: 99873333
	Wyndham Rewards	:	Rate Code	: RACK
			Page No.	: 1 of 1

Date	Description	Charges	Credits
04-29-14	Room Charge	54.00	
04-29-14	State Tax - 6%	3.24	
04-29-14	Local Tax - 7%	3.78	
04-30-14	Room Charge	54.00	
04-30-14	State Tax - 6%	3.24	
04-30-14	Local Tax - 7%	3.78	
05-01-14	Room Charge	75.00	
05-01-14	State Tax - 6%	4.50	
05-01-14	Local Tax - 7%	5.25	
05-02-14	Visa XXXXXXXXXXXXX9811		206.79
Wyndham Rewards members earn valuable points on qualifying stays at nearly 7,000 hotels around the world. If you are not already a member, join the next time you check-in, visit us at www.wyndhamrewards.com or call 1-866-996-7937.		Total	206.79
		Balance	0.00

Guest Signature: _____

Aman Food. Gas
 EA

Electronic Filing: Received, Clerk's Office

MDR
04/05/2023
BMW

Aman Food & gas



2501 52nd Avenue
 Moline, IL 61265
 Tel: (309) 797-5580 Fax: (309) 797-1561
 Email: super8moline1@yahoo.com

05-07-14

Matthew Rievea 701 West S grand Springfield IL 62704 US	Folio No. : 53578 A/R Number : Group Code : Company : Wyndham Rewards :	Room No. : 216 Arrival : 05-05-14 Departure : 05-07-14 Conf. No. : 12511856 Rate Code : SR1 Page No. : 1 of 1
--	---	--

Date	Description	Charges	Credits
05-05-14	Room Charge	60.00	
05-05-14	State Tax - 6%	3.60	
05-05-14	Local Tax - 7%	4.20	
05-06-14	Room Charge	60.00	
05-06-14	State Tax - 6%	3.60	
05-06-14	Local Tax - 7%	4.20	
05-07-14	Visa XXXXXXXXXXXXX9811		135.60
Wyndham Rewards members earn valuable points on qualifying stays at nearly 7,000 hotels around the world. If you are not already a member, join the next time you check-in, visit us at www.wyndhamrewards.com or call 1-866-996-7937.		Total	135.60
		Balance	0.00

Guest Signature: _____

M. Rives
 B. Watson

A man Food + Gas

BMW

Aman Food & gas



Matthew Rievea
701 West S grand
Springfield IL 62704
US
Tax ID

Date : 05-07-14
Time 07:21 AM
Room 216
Conf No 799664
Recpt No 68467

PAYMENT RECEIPT

Date	Description	Amount
05-07-14	Visa XXXXXXXXXXXXX9811 XX/XX	135.60USD

Guest Signature

Cashier 11

2501 52nd Avenue
Moline, IL 61265
Tel: (309) 797-5580 Fax: (309) 797-1561
Email: super8moline1@yahoo.com

SUBURBAN LABORATORIES, Inc.



INVOICE
FEIN # 36-2695636

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

Remit To: Suburban Laboratories, Inc.
1950 S. Batavia Ave., Suite 150
Geneva, IL 60134
Phone: 708-544-3260 Fax: 708-544-8587

Invoice#: 112503
Invoice Date: 5/22/2014

Terms: NET90
Invoice Due: 8/20/2014

Carol Rowe
ACCOUNTS PAYABLE
CWM Company, Inc
701 West South Grand
Springfield, IL 62704

Priority: Rush
PO:
Report To: Carol Rowe
Fax: (217) 522-8009
Project: Aman Food & Gas

Work Order: 1405571

Date Received: 5/13/2014

Item Description	Matrix	Remarks	Qty	Unit Price	% Disc.	Net Price	Total
BTEX + MTBE Solid	Soil	July 2013 - June 2014	17	\$101.24			\$1,721.08

Miscellaneous Charge Summary

Item	Unit	Qty	Total
Shipping & Handling	\$59.55	1	\$59.55
5035 Sampling Kit	\$11.91	17	\$202.47

Sub Total: \$1,721.08
Misc. Charges: \$262.02
Surcharge: 0.00%
INVOICE Total: \$1,983.10
Pre-Paid Amount: \$0.00
Total Payable Amount: \$1,983.10

Comments: Terms per signed agreement

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MAY 22 2014
BY: *CR*



SUBURBAN LABORATORIES, Inc.



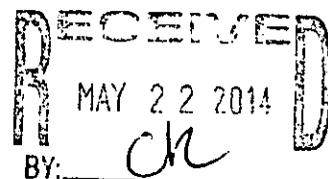
1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

May 22, 2014

Carol Rowe
CWM Company, Inc
701 West South Grand
Springfield, IL 62704

Workorder: 1405571

TEL: (217) 522-8001
FAX: (217) 522-8009
RE: Aman Food & Gas



Dear Carol Rowe:

Suburban Laboratories, Inc. received 17 sample(s) on 5/13/2014 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

A handwritten signature in black ink that reads 'Kelly Culhane'.

Kelly Culhane
Project Manager
708-544-3260 ext 212
kelly@suburbanlabs.com





Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Case Narrative

Client: CWM Company, Inc	Date: May 22, 2014
Project: Aman Food & Gas	PO #:
WorkOrder: 1405571	QC Level:
Temperature of samples upon receipt at SLI: 3 C	Chain of Custody #: 113296, -297

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

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BY: *CR*

Workorder Specific Comments:



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 1

Matrix: SOIL

Lab ID: 1405571-001

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 9:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.561	0.00897		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
Ethylbenzene	6.36	0.0359		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
m,p-Xylene	16.9	0.718		mg/Kg-dry	285.81	05/19/2014 6:15 PM	R47190
Methyl tert-butyl ether	ND	0.0359		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
o-Xylene	2.20	0.359		mg/Kg-dry	285.81	05/19/2014 6:15 PM	R47190
Total Xylenes	19.1	0.718		mg/Kg-dry	285.81	05/19/2014 6:15 PM	R47190
Toluene	0.338	0.0359		mg/Kg-dry	28.58	05/17/2014 6:29 PM	R47157
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	92.8	85.9-111		%REC	28.58	05/17/2014 6:29 PM	R47157
SS: Dibromofluoromethane	108	87.5-113		%REC	28.58	05/17/2014 6:29 PM	R47157
SS: Toluene-d8	101	83.3-121		%REC	28.58	05/17/2014 6:29 PM	R47157
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	20	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 2

Matrix: SOIL

Lab ID: 1405571-002

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 9:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	1.40	0.151		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Ethylbenzene	28.2	0.603		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
m,p-Xylene	95.1	1.21		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Methyl tert-butyl ether	ND	0.0603		mg/Kg-dry	46.76	05/19/2014 2:34 AM	R47181
o-Xylene	19.4	0.603		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Total Xylenes	115	1.21		mg/Kg-dry	467.63	05/19/2014 1:47 PM	R47173
Toluene	0.207	0.0603		mg/Kg-dry	46.76	05/19/2014 2:34 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	46.76	05/19/2014 2:34 AM	R47181
SS: Dibromofluoromethane	97.2	87.5-113		%REC	46.76	05/19/2014 2:34 AM	R47181
SS: Toluene-d8	103	83.3-121		%REC	46.76	05/19/2014 2:34 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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MAY 22 2014
BY: *OR*



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc
Project Name: Aman Food & Gas

Report Date: May 22, 2014
Workorder: 1405571

Client Sample ID: 3

Lab ID: 1405571-003

Date Received: 05/13/2014 9:25 AM

Matrix: SOIL

Collection Date: 05/05/2014 9:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	2.20	0.0155		mg/Kg-dry	49.11	05/19/2014 3:09 AM	R47181
Ethylbenzene	6.42	0.0619		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
m,p-Xylene	8.27	0.124		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
Methyl tert-butyl ether	ND	0.0619		mg/Kg-dry	49.11	05/19/2014 3:09 AM	R47181
o-Xylene	ND	0.0619		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
Total Xylenes	8.27	0.124		mg/Kg-dry	49.11	05/19/2014 10:05 AM	R47173
Toluene	0.102	0.0619		mg/Kg-dry	49.11	05/19/2014 3:09 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	102	85.9-111		%REC	49.11	05/19/2014 3:09 AM	R47181
SS: Dibromofluoromethane	98.8	87.5-113		%REC	49.11	05/19/2014 3:09 AM	R47181
SS: Toluene-d8	99.3	83.3-121		%REC	49.11	05/19/2014 3:09 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	21	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 4

Lab ID: 1405571-004

Date Received: 05/13/2014 9:25 AM

Matrix: SOIL

Collection Date: 05/05/2014 9:50 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	1.63	0.0142		mg/Kg-dry	44.64	05/19/2014 3:44 AM	R47181
Ethylbenzene	20.4	0.568		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
m,p-Xylene	72.4	1.14		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
Methyl tert-butyl ether	ND	0.0568		mg/Kg-dry	44.64	05/19/2014 3:44 AM	R47181
o-Xylene	21.1	0.568		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
Total Xylenes	93.5	1.14		mg/Kg-dry	446.44	05/19/2014 2:34 PM	R47190
Toluene	1.96	0.0568		mg/Kg-dry	44.64	05/19/2014 3:44 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	100	85.9-111		%REC	44.64	05/19/2014 3:44 AM	R47181
SS: Dibromofluoromethane	98.1	87.5-113		%REC	44.64	05/19/2014 3:44 AM	R47181
SS: Toluene-d8	103	83.3-121		%REC	44.64	05/19/2014 3:44 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	21	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc
Project Name: Aman Food & Gas

Report Date: May 22, 2014
Workorder: 1405571

Client Sample ID: 5

Lab ID: 1405571-005

Date Received: 05/13/2014 9:25 AM

Matrix: SOIL

Collection Date: 05/05/2014 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.140	0.0160		mg/Kg-dry	49.43	05/19/2014 4:19 AM	R47181
Ethylbenzene	0.237	0.0638		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
m,p-Xylene	0.729	0.128		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
Methyl tert-butyl ether	ND	0.0638		mg/Kg-dry	49.43	05/19/2014 4:19 AM	R47181
o-Xylene	0.151	0.0638		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
Total Xylenes	0.879	0.128		mg/Kg-dry	49.43	05/19/2014 10:38 AM	R47173
Toluene	ND	0.0638		mg/Kg-dry	49.43	05/19/2014 4:19 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	104	85.9-111		%REC	49.43	05/19/2014 4:19 AM	R47181
SS: Dibromofluoromethane	99.3	87.5-113		%REC	49.43	05/19/2014 4:19 AM	R47181
SS: Toluene-d8	102	83.3-121		%REC	49.43	05/19/2014 4:19 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	23	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 6

Lab ID: 1405571-006

Date Received: 05/13/2014 9:25 AM

Matrix: SOIL

Collection Date: 05/05/2014 10:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.463	0.0169		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Ethylbenzene	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
m,p-Xylene	0.184	0.135		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Methyl tert-butyl ether	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
o-Xylene	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Total Xylenes	0.184	0.135		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
Toluene	ND	0.0675		mg/Kg-dry	52.6	05/19/2014 2:19 PM	R47173
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	95.1	85.9-111		%REC	52.6	05/19/2014 2:19 PM	R47173
SS: Dibromofluoromethane	112	87.5-113		%REC	52.6	05/19/2014 2:19 PM	R47173
SS: Toluene-d8	100	83.3-121		%REC	52.6	05/19/2014 2:19 PM	R47173
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 7

Matrix: SOIL

Lab ID: 1405571-007

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 10:25 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.151	0.0147		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Ethylbenzene	1.30	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
m,p-Xylene	5.32	0.118		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Methyl tert-butyl ether	ND	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
o-Xylene	2.17	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Total Xylenes	7.48	0.118		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
Toluene	1.96	0.0589		mg/Kg-dry	50.13	05/19/2014 5:30 AM	R47181
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	104	85.9-111		%REC	50.13	05/19/2014 5:30 AM	R47181
SS: Dibromofluoromethane	98.0	87.5-113		%REC	50.13	05/19/2014 5:30 AM	R47181
SS: Toluene-d8	101	83.3-121		%REC	50.13	05/19/2014 5:30 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	15	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 8

Matrix: SOIL

Lab ID: 1405571-008

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/05/2014 10:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	20.3	0.753		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Ethylbenzene	34.7	3.01		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
m,p-Xylene	125	6.02		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Methyl tert-butyl ether	ND	0.0602		mg/Kg-dry	46.78	05/19/2014 6:05 AM	R47181
o-Xylene	45.0	3.01		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Total Xylenes	170	6.02		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
Toluene	133	3.01		mg/Kg-dry	2339.03	05/19/2014 1:57 PM	R47190
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	106	85.9-111		%REC	46.78	05/19/2014 6:05 AM	R47181
SS: Dibromofluoromethane	96.4	87.5-113		%REC	46.78	05/19/2014 6:05 AM	R47181
SS: Toluene-d8	105	83.3-121		%REC	46.78	05/19/2014 6:05 AM	R47181
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 9

Matrix: SOIL

Lab ID: 1405571-009

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:10 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.280	0.0149		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Ethylbenzene	4.73	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
m,p-Xylene	18.3	0.119		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Methyl tert-butyl ether	ND	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
o-Xylene	7.80	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Total Xylenes	26.1	0.119		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
Toluene	10.3	0.0597		mg/Kg-dry	57.06	05/21/2014 5:18 AM	R47273
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	57.06	05/21/2014 5:18 AM	R47273
SS: Dibromofluoromethane	100	87.5-113		%REC	57.06	05/21/2014 5:18 AM	R47273
SS: Toluene-d8	101	83.3-121		%REC	57.06	05/21/2014 5:18 AM	R47273
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	4.4	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 10

Matrix: SOIL

Lab ID: 1405571-010

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:20 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.0467	0.0142		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Ethylbenzene	ND	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
m,p-Xylene	0.156	0.114		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Methyl tert-butyl ether	ND	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
o-Xylene	0.0705	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Total Xylenes	0.227	0.114		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
Toluene	0.0825	0.0569		mg/Kg-dry	45.83	05/18/2014 8:31 AM	R47158
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	103	85.9-111		%REC	45.83	05/18/2014 8:31 AM	R47158
SS: Dibromofluoromethane	103	87.5-113		%REC	45.83	05/18/2014 8:31 AM	R47158
SS: Toluene-d8	101	83.3-121		%REC	45.83	05/18/2014 8:31 AM	R47158
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	19	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 11

Matrix: SOIL

Lab ID: 1405571-011

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	ND	0.0151		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Ethylbenzene	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
m,p-Xylene	ND	0.121		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Methyl tert-butyl ether	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
o-Xylene	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Total Xylenes	ND	0.121		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
Toluene	ND	0.0603		mg/Kg-dry	49.39	05/19/2014 10:04 PM	R47217
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	94.6	85.9-111		%REC	49.39	05/19/2014 10:04 PM	R47217
SS: Dibromofluoromethane	114	87.5-113	S	%REC	49.39	05/19/2014 10:04 PM	R47217
SS: Toluene-d8	104	83.3-121		%REC	49.39	05/19/2014 10:04 PM	R47217
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	18	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 12

Matrix: SOIL

Lab ID: 1405571-012

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	ND	0.0146		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Ethylbenzene	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
m,p-Xylene	ND	0.117		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Methyl tert-butyl ether	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
o-Xylene	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Total Xylenes	ND	0.117		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
Toluene	ND	0.0584		mg/Kg-dry	48.21	05/19/2014 10:36 PM	R47217
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	95.5	85.9-111		%REC	48.21	05/19/2014 10:36 PM	R47217
SS: Dibromofluoromethane	114	87.5-113	S	%REC	48.21	05/19/2014 10:36 PM	R47217
SS: Toluene-d8	103	83.3-121		%REC	48.21	05/19/2014 10:36 PM	R47217
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	17	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 13

Matrix: SOIL

Lab ID: 1405571-013

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 10:50 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	1.22	0.0175		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Ethylbenzene	10.3	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
m,p-Xylene	22.9	0.140		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Methyl tert-butyl ether	ND	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
o-Xylene	1.22	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Total Xylenes	24.2	0.140		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
Toluene	0.156	0.0699		mg/Kg-dry	53.42	05/21/2014 12:04 PM	R47278
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	99.1	85.9-111		%REC	53.42	05/21/2014 12:04 PM	R47278
SS: Dibromofluoromethane	103	87.5-113		%REC	53.42	05/21/2014 12:04 PM	R47278
SS: Toluene-d8	101	83.3-121		%REC	53.42	05/21/2014 12:04 PM	R47278
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	24	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 14

Matrix: SOIL

Lab ID: 1405571-014

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.410	0.0164		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Ethylbenzene	9.91	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
m,p-Xylene	1.70	0.131		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Methyl tert-butyl ether	ND	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
o-Xylene	ND	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Total Xylenes	1.70	0.131		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
Toluene	ND	0.0656		mg/Kg-dry	51.01	05/21/2014 12:42 PM	R47278
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	51.01	05/21/2014 12:42 PM	R47278
SS: Dibromofluoromethane	103	87.5-113		%REC	51.01	05/21/2014 12:42 PM	R47278
SS: Toluene-d8	101	83.3-121		%REC	51.01	05/21/2014 12:42 PM	R47278
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	22	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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Laboratory Results

Client ID: CWM Company, Inc

Report Date: May 22, 2014

Project Name: Aman Food & Gas

Workorder: 1405571

Client Sample ID: 15

Matrix: SOIL

Lab ID: 1405571-015

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:20 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: ks	
Benzene	0.346	0.0276		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Ethylbenzene	8.08	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
m,p-Xylene	29.0	0.221		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Methyl tert-butyl ether	ND	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
o-Xylene	12.4	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Total Xylenes	41.4	0.221		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
Toluene	3.05	0.110		mg/Kg-dry	89.96	05/21/2014 1:20 PM	R47278
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	107	85.9-111		%REC	89.96	05/21/2014 1:20 PM	R47278
SS: Dibromofluoromethane	102	87.5-113		%REC	89.96	05/21/2014 1:20 PM	R47278
SS: Toluene-d8	101	83.3-121		%REC	89.96	05/21/2014 1:20 PM	R47278
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	18	1.0		wt%	1	05/19/2014 2:00 PM	R47184

Client Sample ID: 16

Matrix: SOIL

Lab ID: 1405571-016

Date Received: 05/13/2014 9:25 AM

Collection Date: 05/07/2014 11:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS							
				Method: EPA-8260B-Rev 2, Dec-96		Analyst: JJ	
Benzene	0.0637	0.0130		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Ethylbenzene	0.169	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
m,p-Xylene	0.641	0.104		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Methyl tert-butyl ether	ND	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
o-Xylene	0.283	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Total Xylenes	0.924	0.104		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
Toluene	0.417	0.0518		mg/Kg-dry	43.56	05/21/2014 4:30 AM	R47273
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	101	85.9-111		%REC	43.56	05/21/2014 4:30 AM	R47273
SS: Dibromofluoromethane	101	87.5-113		%REC	43.56	05/21/2014 4:30 AM	R47273
SS: Toluene-d8	102	83.3-121		%REC	43.56	05/21/2014 4:30 AM	R47273
PERCENT MOISTURE							
				Method: ASTM-D2216-Rev 2005		Analyst: mkl	
Percent Moisture	16	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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BY: Ce 000172



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: CWM Company, Inc
 Project Name: Aman Food & Gas

Report Date: May 22, 2014
 Workorder: 1405571

Client Sample ID: 17

Lab ID: 1405571-017

Date Received: 05/13/2014 9:25 AM

Matrix: SOIL

Collection Date: 05/07/2014 11:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: JJ		
Benzene	ND	0.0141		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Ethylbenzene	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
m,p-Xylene	ND	0.112		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Methyl tert-butyl ether	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
o-Xylene	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Total Xylenes	ND	0.112		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
Toluene	ND	0.0562		mg/Kg-dry	45.4	05/20/2014 1:14 AM	R47217
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	95.8	85.9-111		%REC	45.4	05/20/2014 1:14 AM	R47217
SS: Dibromofluoromethane	113	87.5-113	S	%REC	45.4	05/20/2014 1:14 AM	R47217
SS: Toluene-d8	103	83.3-121		%REC	45.4	05/20/2014 1:14 AM	R47217
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: mkl		
Percent Moisture	19	1.0		wt%	1	05/19/2014 2:00 PM	R47184

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 MAY 22 2014
 BY: *CR*



Suburban Laboratories, Inc.
 1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

PREP DATES REPORT

Client: CWM Company, Inc
Project: Aman Food & Gas

Report Date: May 22, 2014
Lab Order: 1405571

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1405571-001A	5/5/2014 9:15:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-002A	5/5/2014 9:30:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-003A	5/5/2014 9:40:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-004A	5/5/2014 9:50:00 AM	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-005A	5/5/2014 10:00:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-006A	5/5/2014 10:15:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-007A	5/5/2014 10:25:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-008A	5/5/2014 10:40:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-009A	5/7/2014 10:10:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-010A	5/7/2014 10:20:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-011A	5/7/2014 10:30:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-012A	5/7/2014 10:40:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-013A	5/7/2014 10:50:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-014A	5/7/2014 11:00:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-015A	5/7/2014 11:20:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-016A	5/7/2014 11:30:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014
1405571-017A	5/7/2014 11:40:00 A	21901	5035PR	CLOSED SYSTEM P&T VOC Prep		5/13/2014

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 BY: CR



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

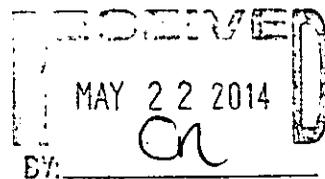
Qualifier Definitions

WO#: 1405571

Date: 5/22/2014

Qualifiers:

- */x Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- c Analyte not in SLI scope of accreditation
- E Estimated, detected above quantitation range
- G Refer to case narrative page for specific comments
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limit (QL)
- N Tentatively identified compounds
- ND Not Detected at the Reporting Limit
- P Present
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits



SUBURBAN LABORATORIES, Inc. 4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com		CHAIN OF CUSTODY RECORD # 113296							
Company Name CWM Company, Inc.		TURNAROUND TIME REQUESTED <input checked="" type="checkbox"/> Normal <input type="checkbox"/> RUSH* *Additional Rush Charges Approved.							
Company Address 701 S. Grand Ave. W.		ANALYSIS & METHOD REQUESTED Enter an "X" in box below for request							
City Springfield	State IL	Zip 62704	Shipping Method 3C1 Reporting Level (at additional charge) 1 2 3 4 LAB USE ONLY SLI ORDER No. 1405571 Sample containers supplied by customer? <input type="checkbox"/> Yes Temperature of Received Samples 3 °C Samples received the same day as collection? <input type="checkbox"/> Yes R- Condition Split LAB #						
Phone 217-522-8001	Fax 217-522-8009	<input type="checkbox"/> Fax Report							
Email Address CWM@CWMCOMPANY.COM		Final Report will be emailed							
Project ID / Location Carol L. Rowe		Specify Regulatory Program: (Required) <input type="checkbox"/> None/Info Only							
Project Manager (Report to) Aman Food & Gas		<input checked="" type="checkbox"/> LUST <input type="checkbox"/> SRP <input type="checkbox"/> SDWA	X BETX, WTBE						
Sample Collector(s) Name MDR BMW		<input type="checkbox"/> 503 Sludge <input type="checkbox"/> NPDES <input type="checkbox"/> MWRDGC							
		<input type="checkbox"/> Disposal <input type="checkbox"/> Other *Please specify in comment section below.							
SAMPLE IDENTIFICATION		COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS		PRESERVATIVE	
Use One Line Per Preservation & Container Type		DATE				TIME	Qty		SIZE & TYPE
1	1	5/5/14		9:15	S	G	1/1	40 mL / 4oz	MeOH / None
2	2	1/1		9:30	(Large handwritten bracket spanning rows 2-12)	(Large handwritten bracket spanning rows 2-12)	(Large handwritten bracket spanning rows 2-12)	(Large handwritten bracket spanning rows 2-12)	(Large handwritten bracket spanning rows 2-12)
3	3	1/1		9:40					
4	4	1/1		9:50					
5	5	1/1		10:00					
6	6	1/1	10:15						
7	7	1/1	10:25						
8	8	1/1	10:40						
9	9	5/7/14	10:10						
10	10	1/1	10:20						
11	11	1/1	10:30						
12	12	1/1	10:40						
MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipo (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tubo, Glass (G), Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio		COMMENTS & SPECIAL INSTRUCTIONS: 2013-2014 Rates								CONDITION CODES 1. Improper/damaged container/cap 2. Improper preservation 3. Insufficient sample volume 4. Headspace/air bubbles for VOCs 5. Received past holding time 6. Received frozen 7. Label conflicts with COC
1. Relinquished By: <i>[Signature]</i> Date: 5/12/14		2. Relinquished By: <i>[Signature]</i> Date: 5-13-14		3. Relinquished By: _____ Date: _____		4. Relinquished By: _____ Date: _____			
Received By: <i>[Signature]</i> Time: 2:00 PM <input checked="" type="checkbox"/> Ice present		Received By: <i>[Signature]</i> Time: 9:25 A <input type="checkbox"/> Ice present		Received By: _____ Time: _____ <input type="checkbox"/> Ice present		Received By: _____ Time: _____ <input type="checkbox"/> Ice present			
Submission of samples subject to Terms and Conditions on back.				Rev. 07/20/08		White-Original, Pink-Sampler Copy			

000176

SUBURBAN LABORATORIES, Inc. 4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com		CHAIN OF CUSTODY RECORD # 113297	
Company Name CWM Company, Inc.		TURNAROUND TIME REQUESTED <input checked="" type="checkbox"/> Normal <input type="checkbox"/> RUSH* *Additional Rush Charges Approved.	
Company Address 701 S. Grand Ave. W.		ANALYSIS & METHOD REQUESTED Enter an "X" in box below for request	
City Springfield	State IL	Zip 62704	Page 2 of 2 PO No. Shipping Method Reporting Level (at additional charge) 1 2 3 4 LAB USE ONLY SLI ORDER No. 1405571 Sample containers supplied by customer? <input type="checkbox"/> Yes Temperature of Received Samples 3 °C Samples received the same day as collection? <input type="checkbox"/> Yes
Phone 217-522-8001	Fax 217-522-8009	<input type="checkbox"/> Fax Report	
Email Address CWM@CWMCOMPANY.COM		Final Report will be emailed	
Project ID / Location Carol L. Rowe		Specify Regulatory Program: (Required) <input checked="" type="checkbox"/> LUST <input type="checkbox"/> SRP <input type="checkbox"/> SDWA <input type="checkbox"/> 503 Sludge <input type="checkbox"/> NPDES <input type="checkbox"/> MWRDGC <input type="checkbox"/> Disposal <input type="checkbox"/> Other* *Please specify in comment section below.	
Project Manager (Report to) Aman Road 3 Gas		Sample Collector(s) Name MOR/BHW	
SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*		COLLECTION	
		DATE	TIME
		MATRIX	GRAB/COMP.
		CONTAINERS	
		Qty	SIZE & TYPE
		PRESERVATIVE	
1	13	5/17/14	1050
2	14	1/1	1100
3	15	1/1	1120
4	16	1/1	1130
5	17	1/1	1140
6		1/1	
7		1/1	
8		1/1	
9		1/1	
10		1/1	
11		1/1	
12		1/1	
MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio		COMMENTS & SPECIAL INSTRUCTIONS: 13-14 Rates	
		RECEIVED MAY 22 2014 CC	
CONDITION CODES 1. Improper/damaged container/cap 2. Improper preservation 3. Insufficient sample volume 4. Headspace/air bubbles for VOCs 5. Received past holding time 6. Received frozen 7. Label conflicts with COC			
1. Relinquished By MOR	Date 5-12-14	2. Relinquished By Andy	Date 5-13-14
Received By Andy	Time 2:50 PM	Received By Andy	Time 9:25 AM
Submission of samples subject to Terms and Conditions on back.		Rev. 07/20/08	

000177



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Laboratory Certification for Chemical Analysis

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BY: CR

A. Site Identification

IEMA Incident # (6- or 8-digit): 14-0247 IEPA LPC# (10-digit): _____
Site Name: Aman Food & Gas
Site Address (Not a P.O. Box): 1830 5th Ave
City: Moline County: _____ ZIP Code: _____

Leaking UST Technical File _____

B. Sample Collector

I certify that:

- Appropriate sampling equipment/methods were utilized to obtain representative samples.
- Chain-of-custody procedures were followed in the field.
- Sample integrity was maintained by proper preservation.
- All samples were properly labeled.

MR
(Initial)
MR
(Initial)
MR
(Initial)
MR
(Initial)

C. Laboratory Representative

I certify that:

- Proper chain-of-custody procedures were followed as documented on the chain-of-custody forms
- Sample integrity was maintained by proper preservation.
- All samples were properly labeled.
- Quality assurance/quality control procedures were established and carried out.
- Sample holding times were not exceeded.

KA
(Initial)
KA
(Initial)
KA
(Initial)
KA
(Initial)
KA
(Initial)

- 6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses.
- 7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003).

KA
(Initial)
KA
(Initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Name Matt Rives
Title Engineer
Company CWM Company, Inc.
Address 701 South Grand Ave. West
City Springfield
State IL
Zip Code 62704
Phone 217-522-8001
Signature *Matt Rives*
Date 5/7/14

Laboratory Representative

Name Kelly Culhane
Title Project Manager
Company Suburban Laboratories, Inc.
Address ~~414 Litt Drive~~ 1950 S. Batavia Ave. Ste. 1E
City Hillside Geneva
State IL
Zip Code ~~62704~~ 60134
Phone 708-544-3260
Signature *K Culhane*
Date 5/22/14

RECEIVED
JUN - 6 2014
BY: CR

Environmental Consulting Services

Summary by Task for Unit Price Billing

Project Work Summary for: Aman Food & Gas 2014-0247

Phase Code	Work Categories	Labor Subtotal	Expenses	Subtotals
1 UST-OS				
	220: C.A. Tank Removals/Mobilizations			
	Category Subtotal:	0.00	\$0.00	\$341.77
	244: UST Uncover & Removal			
	Category Subtotal:	89.00	\$9,892.46	\$4,526.64
	Phase Totals:	89.00	\$9,892.46	\$4,868.41
				\$14,760.87

000180

Environmental Consulting Services

Summary by Task for Unit Price Billing

Project Work Summary for: Aman Food & Gas 2014-0247

Phase Code	Work Categories	Labor Subtotal	Expenses	Subtotals
1 EA-BF-Field	08 Excavation & Backfill Oversight			
	Category Subtotal:	0.00	\$0.00	\$150.00
	40 Excavation/Placement of Backfill			
	Category Subtotal:	90.25	\$9,726.49	\$2,514.86
	Phase Totals:	90.25	\$9,726.49	\$2,664.86
				\$12,391.35

000181

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: April 2014

Summary for Unit Price Billing

<u>Date of Work</u>	Employee	Position	Type of Work	Hourly Rate	Hours Worked	Labor Subtotal	Expenses
<u>Tuesday, April 29, 2014</u>							
	Dhabalt, M.C.	Operator & CAT 287B Loader	1 UST-OS	\$87.68	0.00	\$0.00	\$500.00
	Dhabalt, M.C.	Technician IV 7/2013	1 UST-OS	\$71.44	3.00	\$214.32	\$116.36
	Roth, S.	Technician IV 7/2013	1 UST-OS	\$71.44	3.00	\$214.32	\$19.50
	Stanley, R.J.	Professional Geologist 7/1/201	1 UST-OS	\$109.56	0.00	\$0.00	\$163.88
	Walwer, B.M.	Engineer I 7/2013	1 UST-OS	\$89.32	3.00	\$267.96	\$19.50
<u>Wednesday, April 30, 2014</u>							
	Dhabalt, M.C.	Operator & CAT 287B Loader	1 UST-OS	\$87.68	8.00	\$701.44	\$0.00
	Dhabalt, M.C.	Technician IV 7/2013	1 UST-OS	\$71.44	0.50	\$35.72	\$47.70
	Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	0.00	\$0.00	\$1,075.00
	Roth, S.	Operator & CAT 322 Trackhoe	1 UST-OS	\$177.44	8.00	\$1,419.52	\$0.00
	Roth, S.	Technician IV 7/2013	1 UST-OS	\$71.44	0.50	\$35.72	\$39.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 UST-OS	\$109.56	9.50	\$1,040.82	\$435.77
	Walwer, B.M.	Engineer I 7/2013	1 UST-OS	\$89.32	9.00	\$803.88	\$39.00
				Line Item Totals:	44.50	\$4,733.70	\$2,455.71

Total project charges for month: \$7,189.41

000182

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

April 2014

Expense Details for Unit Price Billing

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure
April 29, 2014	Per Diem		1 UST-OS	0.50	\$39.000	\$19.50
April 29, 2014	Field Purchase	Tank removal supplies	1 UST-OS	31.18	\$1.000	\$31.18
April 29, 2014	Field Purchase	Tank removal supplies	1 UST-OS	132.70	\$1.000	\$132.70
April 29, 2014	Mobilization CAT 287B	Mobilization CAT 287B	1 UST-OS	1.00	\$500.000	\$500.00
April 29, 2014	Per Diem		1 UST-OS	0.50	\$39.000	\$19.50
April 29, 2014	Per Diem		1 UST-OS	0.50	\$39.000	\$19.50
April 29, 2014	Mileage \$0.58	OW	1 UST-OS	167.00	\$0.580	\$96.86
April 30, 2014	Submersible Pump Rental		1 UST-OS	1.00	\$50.000	\$50.00
April 30, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
April 30, 2014	Mileage \$0.58	Local/Hotel	1 UST-OS	15.00	\$0.580	\$8.70
April 30, 2014	Generator Rental		1 UST-OS	1.00	\$75.000	\$75.00
April 30, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
April 30, 2014	Site Safety Equipment		1 UST-OS	1.00	\$150.000	\$150.00
April 30, 2014	Ventilation/Ground Equip		1 UST-OS	1.00	\$400.000	\$400.00
April 30, 2014	LEL Meter		1 UST-OS	1.00	\$100.000	\$100.00
April 30, 2014	Hoses, Fittings, Vlvs Vent/Pmp		1 UST-OS	1.00	\$150.000	\$150.00
April 30, 2014	Metal Detector		1 UST-OS	1.00	\$25.000	\$25.00
April 30, 2014	Field Purchase	Motel - 1 room, 2 nights	1 UST-OS	103.05	\$1.000	\$103.05

CW M Company

400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238

701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

April 2014

Expense Details for Unit Price Billing

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure
April 30, 2014	Venturi Ventilation System		1 UST-OS	1.00	\$125.000	\$125.00
April 30, 2014	Mileage \$0.58	OW	1 UST-OS	411.00	\$0.580	\$238.38
April 30, 2014	Field Purchase	Tank removal supplies	1 UST-OS	46.63	\$1.000	\$46.63
April 30, 2014	Per Diem		1 UST-OS	0.50	\$39.000	\$19.50
April 30, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
April 30, 2014	Field Purchase	Tank removal supplies	1 UST-OS	28.21	\$1.000	\$28.21
					Phase Total:	\$2,455.71

000184

Aman Food & Gas

Thank for your purchase

Electronic Filing: Received Clerk's Office 04/05/2023
Hole Saws

RSS

THANK YOU FOR SHOPPING AT RURAL KING
#16 MARION RURAL KING
1301 ENTERPRISE WAY
MARION, IL 62959
(618) 993-0660



More saving.
More doing.

3200 BANTERRA DRIVE
MARION, IL 62959 (618)997-7100

4/29/14 1:20PM NCASE30 361 SALE

500012	12	EA	4.99	EA
IL DRY NON-CALCINED 50 LB BATH			59.88	
480470	1	EA	1.99	EA
LUG CLEANOUT DS75 4"			1.99	
480470	1	EA	1.99	EA
LUG CLEANOUT DS75 4"			1.99	
480470	1	EA	1.99	EA
LUG CLEANOUT DS75 4"			1.99	
480470	1	EA	1.99	EA
LUG CLEANOUT DS75 4"			1.99	
40002	1	EA	34.99	EA
Plastic Sheet 12'X100'			34.99	
05569	1	EA	3.99	EA
IT DRILL 1/4 TURBOMAX			3.99	
05569	1	EA	3.99	EA
IT DRILL 1/4 TURBOMAX			3.99	
215435	1	EA	9.99	EA
BI-METAL 3"			9.99	
010655	1	EA	.50	EA
APE ELECTRICAL 3/4" X 60'			.50	
010655	1	EA	.50	EA
APE ELECTRICAL 3/4" X 60'			.50	
010655	1	EA	.50	EA
APE ELECTRICAL 3/4" X 60'			.50	

UB TOTAL: 122.30 TAX: 10.40
TOTAL: 132.70
BC AMT: 132.70

1979 00057 34561 04/29/14 01:45 PM
CASHIER SELF CHECK OUT - SCOT57

045242198523 HOLESAN <A>
MILWAUKEE 3" BI-METAL HOLE SAW
2014.37 28.74

SUBTOTAL	28.74
SALES TAX	2.44
TOTAL	\$31.18
XXXXXXXXXXXX9303 VISA	31.18
AUTH CODE 319264/0572151	TA

P.O.#/JOB NAME: 00



1979 57 34561 J4/29/2014 5579

K CARD# XXXXXXXXXXXX9803
D 351202912884308686
UT 319202 AMT: 132.70
lost reference #:492578 Bat#000057
WIPE
AP TYPE:VISA EXPR: XXXX

card 132.70

ota) Items: 23



*Aman Moline
Hotel - Rob*



2501 52nd Avenue
Moline, IL 61265
Tel: (309) 797-5580 Fax: (309) 797-1561
Email: super8moline1@yahoo.com

05-02-14

Rob Stanley	Folio No. :	53432	Room No. :	243
400 west jackson suite c	A/R Number :		Arrival :	04-30-14
Marion IL 62959	Group Code :		Departure :	05-02-14
US	Company :		Conf. No. :	10148761
	Wyndham Rewards :		Rate Code :	SR1
			Page No. :	1 of 1

Date	Description	Charges	Credits
04-30-14	Room Charge	39.20	
04-30-14	State Tax - 6%	2.35	
04-30-14	Local Tax - 7%	2.74	
05-01-14	Room Charge	52.00	
05-01-14	State Tax - 6%	3.12	
05-01-14	Local Tax - 7%	3.64	
05-02-14	Visa XXXXXXXXXXXXXXX9803		103.05
<p>Wyndham Rewards members earn valuable points on qualifying stays at nearly 7,000 hotels around the world. If you are not already a member, join the next time you check-in, visit us at www.wyndhamrewards.com or call 1-866-996-7937.</p>		Total	103.05
		Balance	0.00

Guest Signature: _____

Amos Holme CR
Hack Saw Blades
Water Line Couplers



NEVER STOP IMPROVING

LOWE'S HOME CENTERS, LLC
3820 44TH AVENUE DR.
MOLINE, IL 61265 (309) 736-1100

- SALE -

SALES#: FSTLANE3 13 TRANS#: 80881557 04-30-14

24556 12-IN/24T BI-METAL 10CT	12.98
85696 3/4-IN PUSH COUPLING	13.26
2 @	6.63

SUBTOTAL: 26.24

TAX: 1.97

INVOICE 04393 TOTAL: 28.21

VISA: 28.21

VISA:XXXXXXXXXXXX9803 AMOUNT:28.21 AUTHCD:310331

SWIPED REFID:881580010404 04/30/14 13:13:00

CUSTOMER CODE: 00

STORE: 0104 TERMINAL: 04 04/30/14 13:13:09

OF ITEMS PURCHASED: 3

EXCLUDES FEES, SERVICES AND SPECIAL ORDER ITEMS



THANK YOU FOR SHOPPING LOWE'S.
SEE REVERSE SIDE FOR RETURN POLICY.

STORE MANAGER: SHAYNE COBINE

WE HAVE THE LOWEST PRICES, GUARANTEED!
IF YOU FIND A LOWER PRICE, WE WILL BEAT IT BY 10%.
SEE STORE FOR DETAILS.

YOUR OPINIONS COUNT!
REGISTER FOR A CHANCE TO WIN A
\$5,000 LOWE'S GIFT CARD!
REGISTRESE PARA TENER LA OPORTUNIDAD DE GANAR UNA
TARJETA DE REGALO DE LOWE'S DE \$5000!
REGISTER BY COMPLETING A GUEST SATISFACTION SURVEY
WITHIN ONE WEEK AT: www.lowes.com/survey
YOUR ID # 04393 0104 120

NO PURCHASE NECESSARY TO ENTER OR WIN.
VOID WHERE PROHIBITED. MUST BE 18 OR OLDER TO ENTER.
OFFICIAL RULES & WINNERS AT: www.lowes.com/survey

STORE: 0104 TERMINAL: 04 04/30/14 13:13:09

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: May 2014

Summary for Unit Price Billing

<u>Date of Work</u>	Employee	Position	Type of Work	Hourly Rate	Hours Worked	Labor Subtotal	Expenses
<u>Thursday, May 01, 2014</u>							
	Dhabalt, M.C.	Laborer/Truck Driver 1/1/2010	1 UST-OS	\$56.40	8.00	\$451.20	\$47.70
	Rives, M.D.	Engineer II 7/2013	1 UST-OS	\$101.24	0.00	\$0.00	\$2,219.00
	Roth, S.	Operator & CAT 322 Trackhoe	1 UST-OS	\$177.44	8.00	\$1,419.52	\$0.00
	Roth, S.	Technician IV 7/2013	1 UST-OS	\$71.44	0.50	\$35.72	\$39.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 UST-OS	\$109.56	11.00	\$1,205.16	\$68.00
	Walwer, B.M.	Engineer I 7/2013	1 UST-OS	\$89.32	11.00	\$982.52	\$39.00
<u>Friday, May 02, 2014</u>							
	Dhabalt, M.C.	Operator & CAT 287B Loader	1 EA-BF-Field	\$87.68	6.00	\$526.08	\$0.00
	Dhabalt, M.C.	Technician IV 7/2013	1 EA-BF-Field	\$71.44	3.25	\$232.18	\$144.56
	Roth, S.	Technician IV 7/2013	1 EA-BF-Field	\$71.44	3.25	\$232.18	\$39.00
	Stanley, R.J.	Professional Geologist 7/1/201	1 EA-BF-Field	\$109.56	7.50	\$821.70	\$300.58
	Walwer, B.M.	Engineer I 7/2013	1 EA-BF-Field	\$89.32	9.50	\$848.54	\$39.00
	Roth, S.	Operator & CAT 322 Trackhoe	1 UST-OS	\$177.44	6.00	\$1,064.64	\$0.00
<u>Monday, May 05, 2014</u>							
	Dhabalt, M.C.	Operator & CAT 322 Trackhoe	1 EA-BF-Field	\$177.44	8.00	\$1,419.52	\$0.00
	Dhabalt, M.C.	Technician IV 7/2013	1 EA-BF-Field	\$71.44	2.50	\$178.60	\$135.86
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	0.00	\$0.00	\$150.00
	Walwer, B.M.	Engineer I 7/2013	1 EA-BF-Field	\$89.32	11.75	\$1,049.51	\$39.00
<u>Tuesday, May 06, 2014</u>							
	Dhabalt, M.C.	Operator & CAT 322 Trackhoe	1 EA-BF-Field	\$177.44	8.00	\$1,419.52	\$0.00
	Dhabalt, M.C.	Technician IV 7/2013	1 EA-BF-Field	\$71.44	0.50	\$35.72	\$47.70
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	0.00	\$0.00	\$150.00

000189

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: May 2014

Summary for Unit Price Billing

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Walwer, B.M.	Engineer I 7/2013	1 EA-BF-Field	\$89.32	8.00	\$714.56	\$39.00
<u>Wednesday, May 07, 2014</u>							
	Dhabalt, M.C.	Operator & CAT 287B Loader	1 EA-BF-Field	\$87.68	4.00	\$350.72	\$1,135.60
	Dhabalt, M.C.	Operator & CAT 322 Trackhoe	1 EA-BF-Field	\$177.44	4.00	\$709.76	\$0.00
	Dhabalt, M.C.	Technician IV 7/2013	1 EA-BF-Field	\$71.44	3.50	\$250.04	\$105.56
	Rives, M.D.	Engineer II 7/2013	1 EA-BF-Field	\$101.24	0.00	\$0.00	\$150.00
	Walwer, B.M.	Engineer I 7/2013	1 EA-BF-Field	\$89.32	10.50	\$937.86	\$39.00
<u>Tuesday, May 13, 2014</u>							
	Sinnott, W.T.	Senior Project Manager 7/1/20	1 EA-BF-Field	\$119.08	0.00	\$0.00	\$150.00
Line Item Totals:					134.75	\$14,885.25	\$5,077.56

Total project charges for month: \$19,962.81

000190

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

May 2014

Expense Details for Unit Price Billing

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure
May 1, 2014	Cutting/Cleaning Equip		1 UST-OS	1.00	\$825.000	\$825.00
May 1, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
May 1, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
May 1, 2014	Mileage \$0.58	Local/Hotel	1 UST-OS	50.00	\$0.580	\$29.00
May 1, 2014	Stock Item	SaZall Blades 12 @ \$5.00/Blade	1 UST-OS	60.00	\$1.000	\$60.00
May 1, 2014	Venturi Ventilation System		1 UST-OS	1.00	\$125.000	\$125.00
May 1, 2014	Generator Rental		1 UST-OS	1.00	\$75.000	\$75.00
May 1, 2014	Allegro Sppld Air Sys/Rsprtr		1 UST-OS	1.00	\$115.000	\$115.00
May 1, 2014	Metal Detector		1 UST-OS	1.00	\$25.000	\$25.00
May 1, 2014	LEL Meter		1 UST-OS	1.00	\$100.000	\$100.00
May 1, 2014	Mileage \$0.58	Local/Hotel	1 UST-OS	15.00	\$0.580	\$8.70
May 1, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
May 1, 2014	Hoses, Fittings, Vlvs Vent/Pmp		1 UST-OS	1.00	\$150.000	\$150.00
May 1, 2014	Per Diem		1 UST-OS	1.00	\$39.000	\$39.00
May 1, 2014	Site Safety Equipment		1 UST-OS	1.00	\$150.000	\$150.00
May 1, 2014	Stock Item	Tyvek Suits 8 @ 18.00 each	1 UST-OS	144.00	\$1.000	\$144.00
May 1, 2014	Ventilation/Ground Equip		1 UST-OS	1.00	\$400.000	\$400.00
May 1, 2014	Submersible Pump Rental		1 UST-OS	1.00	\$50.000	\$50.00

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

May 2014

Expense Details for Unit Price Billing

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure
May 2, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 2, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 2, 2014	Mileage \$0.58	Local/Hotel/OW Return	1 EA-BF-Field	451.00	\$0.580	\$261.58
May 2, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 2, 2014	Mileage \$0.58	Local/Hotel OW/RT	1 EA-BF-Field	182.00	\$0.580	\$105.56
May 2, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 5, 2014	Site Safety Equipment		1 EA-BF-Field	1.00	\$150.000	\$150.00
May 5, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 5, 2014	Mileage \$0.58	OW	1 EA-BF-Field	167.00	\$0.580	\$96.86
May 5, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 6, 2014	Site Safety Equipment		1 EA-BF-Field	1.00	\$150.000	\$150.00
May 6, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 6, 2014	Mileage \$0.58	Local/Hotel	1 EA-BF-Field	15.00	\$0.580	\$8.70
May 6, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 7, 2014	Per Diem		1 EA-BF-Field	1.00	\$39.000	\$39.00
May 7, 2014	Mobilization CAT 287B	Mobilization CAT 287B	1 EA-BF-Field	1.00	\$500.000	\$500.00
May 7, 2014	Demobilization CAT 287B	Demobilization CAT 287B	1 EA-BF-Field	1.00	\$500.000	\$500.00
May 7, 2014	Field Purchase	Hotel Overnight Charges	1 EA-BF-Field	135.60	\$1.000	\$135.60
May 7, 2014	Site Safety Equipment		1 EA-BF-Field	1.00	\$150.000	\$150.00

CW M Company

400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238

701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

May 2014

Expense Details for Unit Price Billing

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure
May 7, 2014	Mileage \$0.58	Local/Hotel OW/RT	1 EA-BF-Field	182.00	\$0.580	\$105.56
May 13, 2014	Field Purchase	Construction permit	1 EA-BF-Field	150.00	\$1.000	\$150.00
					Phase Total:	\$5,077.56

000193



2501 52nd Avenue
 Moline, IL 61265
 Tel: (309) 797-5580 Fax: (309) 797-1561
 Email: super8moline1@yahoo.com

05-07-14

Matthew Rievea 701 West S grand Springfield IL 62704 US	Folio No. :	53576	Room No. :	210
	A/R Number :		Arrival :	05-05-14
	Group Code :		Departure :	05-07-14
	Company :		Conf. No. :	12510969
	Wyndham Rewards :		Rate Code :	SR1
			Page No. :	1 of 1

Date	Description	Charges	Credits
05-05-14	Room Charge	60.00	
05-05-14	State Tax - 6%	3.60	
05-05-14	Local Tax - 7%	4.20	
05-06-14	Room Charge	60.00	
05-06-14	State Tax - 6%	3.60	
05-06-14	Local Tax - 7%	4.20	
05-07-14	Visa · XXXXXXXXXXXXXXX9811		135.60
Wyndham Rewards members earn valuable points on qualifying stays at nearly 7,000 hotels around the world. If you are not already a member, join the next time you check-in, visit us at www.wyndhamrewards.com or call 1-866-996-7937.		Total	135.60
		Balance	0.00

Guest Signature: _____

M. Dheballt
 Aman Food + Gas

Aman Food & Gas



Matthew Rievea
701 West S grand
Springfield IL 62704
US
Tax ID

Date : 05-07-14
Time 07:17 AM
Room 210
Conf No 799663
Recpt No 68465

PAYMENT RECEIPT

Date	Description	Amount
05-07-14	Visa XXXXXXXXXXXXX9811 XX/XX	135.60USD

Guest Signature

Cashier 11

2501 52nd Avenue
Moline, IL 61265
Tel: (309) 797-5580 Fax: (309) 797-1561
Email: super8moline1@yahoo.com

0266/

Document Image

Monday, Jan 12 2015

Routing & Transit
Check Number
Account Number
Trancode

19489

Amount
Sequence Number
Capture Date
Pocket Number

\$150.00
80500870
08/06/2014
01

19489

CW³M COMPANY, INC.
ENVIRONMENTAL CONSULTING SERVICES
(217) 522-8001
701 SOUTH GRAND AVENUE WEST
SPRINGFIELD, IL 62704

MARINE BANK
SPRINGFIELD, IL
70-940-711

Check Date: 05/13/14

PAY TO THE ORDER OF CITY OF MOLINE \$ 150.00

One Hundred Fifty And 00/100 Dollars

DOLLARS

CITY OF MOLINE
ATTN: ERICA K. WILLIAMS
3635 4TH. AVENUE
MOLINE, ID 61265

MEMO

[Handwritten Signature]
AUTHORIZED SIGNATURE

Security Feature. Details on back.

CITY OF MOLINE
FOR DEPOSIT ONLY
AUG 04 2014
FIRST MIDWEST BANK
MOLINE, IL

88/84/2814

For Deposit Only to Named Payee <071901604>
08/04/2014



The image(s) shown above represent official copies of original documents processed by our institution.

Electronic Filing Received, Clerk's Office 04/05/2023

CW³M COMPANY, INC.

ENVIRONMENTAL CONSULTING SERVICES
(217) 522-8001
701 SOUTH GRAND AVENUE WEST
SPRINGFIELD, IL 62704

MARINE BANK
SPRINGFIELD, IL
70-940-711

Check Date: 05/13/14

PAY TO THE ORDER OF CITY OF MOLINE

\$ 150.00

One Hundred Fifty And 00/100 Dollars***

DOLLARS

CITY OF MOLINE
ATTN: ERICA K. WILLIAMS
3635 4TH. AVENUE
MOLINE, ID 61265



AUTHORIZED SIGNATURE

MEMO

Security features. Details on back.



W3M COMPANY, INC.

From:
CW3 M Company
701 W South Grand Ave
Springfield, IL 62704

Date: 05/13/14
Check Number: 19489
Amount: 150.00

Memo:
CITY CONSTRUCTION PERMIT / AMAN FOOD & GAS / IEPA INCIDENT #2014-0247

W3M COMPANY, INC.

From:
CW3 M Company
701 W South Grand Ave
Springfield, IL 62704

Date: 05/13/14
Check Number: 19489
Amount: 150.00

To:
CITY OF MOLINE
ATTN: ERICA K. WILLIAMS, 3635 4TH. AVENUE
MOLINE, ID 61265

Memo:
CITY CONSTRUCTION PERMIT / AMAN FOOD & GAS / IEPA INCIDENT #2014-0247

[Print](#) | [Close Window](#)

Subject: RE: Aman Food & Gas - 1830 5th Avenue
From: "Williams, Erica" <ewilliams@moline.il.us>
Date: Tue, May 06, 2014 10:02 am
To: "cwm@cwmcompany.com" <cwm@cwmcompany.com>

Hello Vince,

This e-mail is perfect and I'll just attach it to our permit form which I've attached for your files and reference. The only thing I need is the fee of \$150.00 and something from the OSFM regarding if there was suspected leaks or not. You can either make a check out to the City of Moline and mail it to 3635 4th Ave, Moline, IL 61265 to my attention, or you can call Susan Grau at 309/524-2370 with a credit card number.

Aman Food Gas

Thank you for your quick and thorough attention to this!

Erica K. Williams
City of Moline, Environmental Manager
ewilliams@moline.il.us
309/524-2363

From: cwm@cwmcompany.com [mailto:cwm@cwmcompany.com]
Sent: Thursday, May 01, 2014 3:30 PM
To: Williams, Erica
Subject: Aman Food & Gas - 1830 5th Avenue

We are the tank removal contractor for the Aman Food & Gas site located at 1830 5th Avenue in Moline. Our onsite contact person is Matt Rives. Pursuant to discussions with you, we understand that a permit for the excavation is needed. Today, the former gasoline tanks at the site are being removed in the presence of the Office of the State Fire Marshal (OSFM). Once these tanks are removed from the ground and cleaned to the satisfaction of the OSFM, they will be removed from the site and disposed of. The material which had to be removed above the tanks and set in piles will be returned to the excavation once the tanks are out, then will be loaded out.

Since there will only be an excavation within a sawcut paved area, erosion and runoff control should not be necessary. Should the pavement become undercut, the sawcut area will be widened.

Up to four feet of contaminated soil and backfill material which surrounded the tanks will be removed and disposed of at the Upper Rock Island Landfill. Attached is a drawing which depicts the excavation area. Should rainwater or groundwater collect in the excavation that would prevent further excavation, the water will be removed and disposed of by a licensed waste hauler. Water from the excavation will not be pumped into the storm or sanitary sewers.

Once our company completes the excavation, which is expected to be the latter part of next week, the open excavation will be turned over to:

Electronic Filing: Received, Clerk's Office 04/05/2023

Illowa Enterprises, Inc.
2703 4th Avenue
Moline, IL 61265
(309) 762-1729
Attn: Rob Vyncke

Illowa will be installing new tanks in the excavation and backfilling the excavation. Once the backfilling is complete, the disturbed areas will be re-paved.

CWM and Illowa are separate contractors working for the site owner:

Aman Food & Gas
5048 Country Court
Davenport, IA 52807
(563) 275-8189
Attn: Jeet Singh

Since we have no contractual relationship with Illowa, we cannot control their actions, but will pass along the City of Moline's concerns for erosion, runoff, and environmental issues which could occur from the work being performed.

We understand that a permit fee is owed the City of Moline, and will send the appropriate payment if you let us know the specifics of how much, where to send it, and how to make sure it gets applied to the appropriate project.

If you need any further information from us, please let us know. We thank you for your patience and cooperation with us on this matter.

Vince E. Smith, P.E.
Sr. Environmental Engineer
CWM Company, Inc.
701 W. South Grand Ave.
Springfield, IL 62704
217-522-8001
FAX 217-522-8009
cwm@cwmcompany.com

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Invoice report by phase

<i>Project Name</i>	<i>Phase Code</i>	<i>Sub</i>	<i>Date</i>	<i>Cost</i>
Aman Food & Gas 2014-0247	1 UST-OS			
		<i>Windish Trucking, Inc.</i>		
			5/8/2014	\$700.00
			Subtotal:	\$700.00
			Total:	\$700.00

Windish Trucking, Inc.

INVOICE

Matt & Heather Windish
5610 N Townhouse Rd
BRIMFIELD, IL 61517

Phone: 309-446-9293
Cell: 309-303-1190
Fax: 309-446-3764

INVOICE # 3992
INVOICE DATE 5/8/2014
TERMS Net 30

Bill To

CW3M Company
701 W South Grand Ave
Springfield, IL 62704

Please include our Invoice # 3992 on the front of your check.

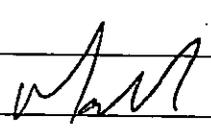
Date	Origin/Destination	Ticket #	Tons/Hrs	Rate	Amount
5/25/2014	moving equipment	4319 322 from Lincoln to Moline	7	100.00	700.00

Thank you for your business!

Due Date 6/7/2014
Total \$700.00

Landish Trucking, Inc.
5610 N. Townhouse Rd.
Brimfield, IL 61517

Phone: (309) 303-1190
Phone: (309) 446-9293
Fax: (309) 446-3764

Date	4-25	Driver/Truck #	#2
Company	CWSN Company		
Job Name	LAWREN TO MOLENE		
Location	MOLENE		
Material	322		
Start Time	8:00	Quit Time	3:00
		Total Hours	7 hrs.
Comments	A 1.00 A 7.00 hrs		
Foreman's Signature			
4319			

WHITE = OFFICE PINK = OFFICE YELLOW = JOB

CW³M COMPANY, INC.
ENVIRONMENTAL CONSULTING SERVICES
(217) 522-8001
701 SOUTH GRAND AVENUE WEST
SPRINGFIELD, IL 62704

MARINE BANK
SPRINGFIELD, IL
70-940-711

Check Date: 05/13/14

PAY TO THE
ORDER OF

WINDISH TRUCKING, INC.

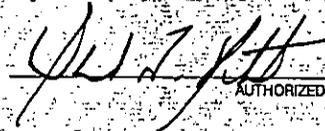
\$ 700.00

Seven Hundred And 00/100 Dollars***

DOLLARS

WINDISH TRUCKING, INC.
ATTN: MATT & HEATHER WINDISH
5610 N. TOWNHOUSE ROAD
BRIMFIELD, IL 61517

MEMO



AUTHORIZED SIGNATURE

Security features. Details on back

W3M COMPANY, INC.

19490

From:
CW3 M Company
701 W South Grand Ave
Springfield, IL 62704

Date: 05/13/14
Check Number: 19490
Amount: 700.00

Memo:
INV. #3992 / TRANSPORT EXCAVATOR FROM LINCOLN TO MOLINE / INCIDENT 14-0247

W3M COMPANY, INC.

19490

From:
CW3 M Company
701 W South Grand Ave
Springfield, IL 62704

Date: 05/13/14
Check Number: 19490
Amount: 700.00

To:
WINDISH TRUCKING, INC.
ATTN: MATT & HEATHER WINDISH, 5610 N. TOWNH
BRIMFIELD, IL 61517

Memo:
INV. #3992 / TRANSPORT EXCAVATOR FROM LINCOLN TO MOLINE / INCIDENT 14-0247

0266/

Document Image

Monday, Jan 12 2015

Routing & Transit
Check Number 19490
Account Number
Trancode

Amount \$700.00
Sequence Number 80300290
Capture Date 05/20/2014
Pocket Number 01

19490

CW³M COMPANY, INC.
ENVIRONMENTAL CONSULTING SERVICES
(217) 522-8001
701 SOUTH GRAND AVENUE WEST
SPRINGFIELD, IL 62704

MARINE BANK
SPRINGFIELD, IL
70-843-711

Check Date: 05/13/14

PAY TO THE ORDER OF WINDISH TRUCKING, INC. \$ 700.00

Seven Hundred And 00/100 Dollars DOLLARS

WINDISH TRUCKING, INC.
ATTN: MATT & HEATHER WINDISH
5510 N. TOWNHOUSE ROAD
BRIMFIELD, IL 61517

MEMO

AUTHORIZED SIGNATURE

SERVING ILLINOIS

SPRINGFIELD, ILLINOIS

ENCLOSURE

PAY TO THE ORDER OF
HERITAGE BANK OF CENTRAL IL
FOR DEPOSIT ONLY
WINDISH TRUCKING

DO NOT WRITE BEHIND OR OVER THESE LINES

Heritage Bank of Cent. IL
>
Willow 03
2014-05-19

FEDERAL RESERVE BOARD OF GOVERNORS REG. NO.



The image(s) shown above represent official copies of original documents processed by our institution.

Invoice report by phase

<i>Project Name</i>	<i>Phase Code</i>	<i>Sub</i>	<i>Date</i>	<i>Cost</i>
Aman Food & Gas 2014-0247				
	1 EA-BF-Field			
		<i>Charles H. Carter & Son, Inc.</i>		
			5/7/2014	\$2,128.37
			5/7/2014	\$1,080.00
			5/13/2014	\$1,816.29
			Subtotal:	\$5,024.66
		<i>Illowa Enterprises, Inc.</i>		
			5/20/2014	\$9,397.23
			6/30/2014	\$3,462.21
			Subtotal:	\$12,859.44
		<i>Upper Rock Island Landfill</i>		
			4/30/2014	\$2,122.00
			5/15/2014	\$17,154.00
			Subtotal:	\$19,276.00
			Total:	\$37,160.10

000207

Friday, January 09, 2015

CHARLES H. CARTER & SON, INC.
 PO BOX 707
 MILL SHOALS, IL 62862
 (618) 896-5316

INVOICE
400423924

CW3M
 701 W SOUTH GRAND AVENUE
 SPRINGFIELD, IL 62704

Terms: Net Due 30 Days

Invoice Date 05/07/2014

LMSIN082

Page 1 of 1

Date	Bill of Lading	Origin	Destination	Description	Quantity	Unit	Unit Rate	Amount
04/30/2014	954026	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	28.96	TON	5.7500	166.52
04/30/2014	954040	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	29.36	TON	5.7500	168.82
04/30/2014	954059	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	26.56	TON	5.7500	152.72
05/01/2014	954098	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	29.20	TON	5.7500	167.90
05/01/2014	954114	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	29.72	TON	5.7500	170.89
05/01/2014	954139	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	30.76	TON	5.7500	176.87
05/01/2014	954164	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	29.57	TON	5.7500	170.03
05/01/2014	954184	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	33.15	TON	5.7500	190.61
05/01/2014	954216	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	27.52	TON	5.7500	158.24
05/02/2014	954236	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	21.12	TON	5.7500	121.44
05/02/2014	954269	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	26.93	TON	5.7500	154.85
05/02/2014	954285	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	29.88	TON	5.7500	171.81
05/02/2014	954308	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	27.42	TON	5.7500	157.67

Due Date 06/06/2014

Total Quantity 370.15

Amount Due

\$2,128.37

THANK YOU FOR YOUR BUSINESS.

CHARLES H. CARTER & SON INC.
Charles H. Carter & Son Inc.
2510 Co Rd 225 E
Mill Shoals IL 62862
Ph 618-896-5316 Fax 896-5317

06/05/2014

SALE

Total: \$2,128.37

MasterCard xxxxxxxxxxxx7695
Exp. Date: xx / xx
Name: CW3M Company Inc

Auth. Code: 02126J QuickBooks Trans. No: 7
Trans. ID: ME0159762883 Merchant No.: 5247710008394041

CHARLES CARTER & SON

INVOICE NO. 400423924 / DATED: 05/07/2014

AMOUNT: \$2,128.37

AMAN FOOD & GAS

INCIDENT NO. 2014-0247

Thank you for your business

CUSTOMER COPY

CHARLES H. CARTER & SON, INC.
PO BOX 707
MILL SHOALS, IL 62862
(618) 896-5316

INVOICE
400423923

CW3M
701 W SOUTH GRAND AVENUE
SPRINGFIELD, IL 62704

Terms: Net Due 30 Days

		Invoice Date 05/07/2014		LMSIN082		Page 1 of 1		
Date	Bill of Lading	Origin	Destination	Description	Quantity	Unit	Unit Rate	Amount
04/30/2014	982	CARTER YARD	MOLINE, IL	HOURS	9.00	HR	120.0000	1,080.00

Due Date 06/06/2014

Total Quantity 9.00

Amount Due

\$1,080.00

THANK YOU FOR YOUR BUSINESS.

CHARLES H. CARTER & SON INC.
Charles H. Carter & Son Inc.
2510 Co Rd 225 E
Mill Shoals IL 62862
Ph 618-896-5316 Fax 896-5317

06/05/2014

SALE

Total: \$1,080.00

MasterCard xxxxxxxxxxxx7695
Exp. Date: xx / xx
Name: CW3M Company Inc

Auth. Code: 07079J
Trans. ID: ME0159762645

QuickBooks Trans. No: 6
Merchant No.: 5247710008394041

CHARLES CARTER & SON

INVOICE NO. 400423923 / DATED: 05/07/2014

AMOUNT: \$1,080.00

AMAN FOOD & GAS

INCIDENT NO. 2014-0247

Thank you for your business

CUSTOMER COPY

CHARLES H. CARTER & SON, INC.
 PO BOX 707
 MILL SHOALS, IL 62862
 (618) 896-5316

INVOICE
400224016

CW3M
 701 W SOUTH GRAND AVENUE
 SPRINGFIELD, IL 62704

Terms: Net Due 30 Days

		Invoice Date 05/13/2014		LMSIN082		Page 1 of 1		
Date	Bill of Lading	Origin	Destination	Description	Quantity	Unit	Unit Rate	Amount
05/05/2014	254436	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	17.94	TON	5.7500	103.16
05/05/2014	954474	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	25.62	TON	5.7500	147.32
05/05/2014	954511	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	19.83	TON	5.7500	114.02
05/05/2014	954530	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	21.14	TON	5.7500	121.56
05/06/2014	954587	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	21.20	TON	5.7500	121.90
05/06/2014	954605	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	20.42	TON	5.7500	117.42
05/06/2014	954629	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	19.18	TON	5.7500	110.29
05/06/2014	954651	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	24.21	TON	5.7500	139.21
05/06/2014	954668	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	20.33	TON	5.7500	116.90
05/06/2014	954694	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	29.20	TON	5.7500	167.90
05/06/2014	954720	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	24.80	TON	5.7500	142.60
05/06/2014	954742	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	22.62	TON	5.7500	130.07
05/06/2014	954762	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	24.69	TON	5.7500	141.97
05/06/2014	954785	MOLINE, IL	UPPER ROCK ISLAND L	HAUL CONTAMINATED D	24.69	TON	5.7500	141.97

Due Date 06/12/2014 **Total Quantity 315.87** **Amount Due \$1,816.29**

THANK YOU FOR YOUR BUSINESS.

CHARLES H. CARTER & SON INC.
Charles H. Carter & Son Inc.
2510 Co Rd 225 E
Mill Shoals IL 62862
Ph 618-896-5316 Fax 896-5317

06/05/2014

SALE

Total: \$1,816.29

MasterCard xxxxxxxxxxxx7695
Exp. Date: xx / xx
Name: CW3M Company Inc

Auth. Code: 00748J QuickBooks Trans. No: 5
Trans. ID: MA0212729388 Merchant No.: 5247710008394041

CHARLES CARTER & SON

INVOICE NO. 400224016 / DATED: 05/13/2014

AMOUNT: \$1,816.29

AMAN FOOD & GAS

Thank you for your business

INCIDENT NO. 2014-0247

CUSTOMER COPY

Electronic Filing: Received, Clerk's Office 04/05/2023

RiverStone Group, Inc.
1701 - 5th Avenue
Moline IL 61265-7900

INVOICE

Page 1 of 1
INVOICE # 503262

Invoice Date: 5/20/2014
CUSTOMER ID: ILLENT
TERMS: 1.5%, 10, Net 30

PHONE: 800-906-2489 or 309-757-8250
FAX: 309-757-8257

PLANT SITE: Allied Stone MC30
601 US Rt. 67 North
Milan IL 61264
Phone: 309-787-3141

SOLD TO:

ILLOWA ENTERPRISES INC

2703 4 AV
MOLINE IL 61265

ORDER #: ILLENT012

(D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE AP

Please include our invoice # **503262** and Customer ID (ILLENT) on the front of your check.

Date	Ticket #	Code	Material		Freight		Tax		Fee		Total
			Qty	Rate	Rate	Amount	%	Amount	Code	Amount	
(D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE APT											
5/12/2014	12553443	CM16A	15.72	13.70	215.38	5.25	82.53	6.750	14.54	0.00	312.43
5/12/2014	12553464	CM16A	15.09	13.70	206.73	5.25	78.22	6.750	13.95	0.00	299.90
5/12/2014	12553485	CM16A	15.75	13.70	215.78	5.25	82.89	6.750	14.57	0.00	313.04
5/12/2014	12553493	CM16A	15.77	13.70	216.05	5.25	82.79	6.750	14.58	0.00	313.42
5/12/2014	12553518	CM16A	15.60	13.70	213.72	5.25	81.90	6.750	14.43	0.00	310.05
5/12/2014	12553566	CM16A	15.57	13.70	213.31	5.25	81.74	6.750	14.40	0.00	309.45
5/13/2014	12553651	CM16A	16.14	13.70	221.12	5.25	84.74	6.750	14.93	0.00	320.79
5/13/2014	12553681	CM16A	15.72	13.70	215.36	5.25	82.53	6.750	14.54	0.00	312.43
5/13/2014	12553699	CM16A	14.51	13.70	198.79	5.25	76.18	6.750	13.42	0.00	288.39
5/13/2014	12553708	CM16A	16.19	13.70	221.80	5.25	85.00	6.750	14.97	0.00	321.77
5/13/2014	12553728	CM16A	14.80	13.70	202.76	5.25	77.70	6.750	13.69	0.00	294.15
5/13/2014	12553734	CM16A	15.47	13.70	211.94	5.25	81.22	6.750	14.31	0.00	307.47
5/13/2014	12553755	CM16A	14.42	13.70	197.55	5.25	75.71	6.750	13.33	0.00	286.59
5/13/2014	12553756	CM16A	15.48	13.70	211.80	5.25	81.17	6.750	14.30	0.00	307.27
5/13/2014	12553785	CM16A	15.13	13.70	207.28	5.25	79.43	6.750	13.99	0.00	300.70
5/13/2014	12553790	CM16A	13.86	13.70	189.88	5.25	72.77	6.750	12.82	0.00	275.47
5/13/2014	12553812	CM16A	15.60	13.70	213.72	5.25	81.90	6.750	14.43	0.00	310.05
5/13/2014	12553821	CM16A	14.60	13.70	200.02	5.25	78.85	6.750	13.50	0.00	290.17
5/13/2014	12553822	CM16A	20.62	13.70	282.48	5.25	109.26	6.750	19.07	0.00	409.82
5/13/2014	12553842	CM16A	15.80	13.70	216.48	5.25	82.95	6.750	14.61	0.00	314.02
5/13/2014	12553852	CM16A	20.12	13.70	275.64	5.25	105.83	6.750	18.61	0.00	399.88
5/13/2014	12553853	CM16A	14.47	13.70	198.24	5.25	75.97	6.750	13.36	0.00	287.59
5/13/2014	12553886	CM16A	15.74	13.70	215.64	5.25	82.64	6.750	14.58	0.00	312.64
5/13/2014	12553874	CM16A	20.82	13.70	285.23	5.25	109.31	6.750	19.25	0.00	413.79
5/13/2014	12553875	CM16A	14.71	13.70	201.53	5.25	77.23	6.750	13.60	0.00	292.36
5/13/2014	12553881	CM16A	15.98	13.70	218.93	5.25	83.90	6.750	14.78	0.00	317.61
5/13/2014	12553893	CM16A	20.79	13.70	284.82	5.25	109.15	6.750	19.23	0.00	413.20
5/13/2014	12553894	CM16A	14.57	13.70	199.81	5.25	78.49	6.750	13.47	0.00	289.57
5/13/2014	12553911	CM16A	15.37	13.70	210.57	5.25	80.89	6.750	14.21	0.00	305.47
5/13/2014	12553928	CM16A	15.63	13.70	214.13	5.25	82.06	6.750	14.43	0.00	310.64
022CM16 IL ST 3/8" CONC CHIP			480.02		6578.26		2,520.15		443.82	0.00	9,540.33
Invoice Totals			480.02		6578.26		2,520.15		443.82	0.00	9,540.33

Please request invoice changes or deductions BEFORE payment is made.

Total due must reach our office by 6/19/2014. A 1.5% service charge (18% per annum) will be charged on past due accounts.

DISCOUNTED AMOUNT EXPIRES 5/30/2014	9,397.23
TOTAL AMOUNT DUE BY 6/19/2014	9,540.33

SEE OTHER TERMS ON REVERSE SIDE

riverStone Group, Inc.
 701 - 5th Avenue
 Moline IL 61265-7900

INVOICE

Page 1 of 1
 INVOICE # 503262

PHONE: 800-906-2489 or 309-757-8250
 309-757-8257

APPROVED GS
 VENDOR # 5540
 MONTH VS-2214
 ACCT. 01308
 BY Kelaine
 INPUT friendly

Invoice Date: 5/20/2014
 CUSTOMER ID: ILLENT
 TERMS: 1.5%, 10, Net 30

ORDER TO:
 ILLINOIS ENTERPRISES INC.
 2703 4 AV
 MOLINE IL 61265

PLANT SITE: Allied Stone MC30
 601 US Rt. 67 North
 Milan IL 61264
 Phone: 309-787-3141

ORDER #: ILLENT012

(D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIR

Please include our Invoice # 503262 and Customer ID (ILLENT) on the front of your check.

Date	Ticket #	Code	Qty	Rate	Material		Freight		Tax		Fee		Total
					Amount	Rate	Amount	%	Amount	Code	Amount		
GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE APT													
2/14	12553443	CM16A	15.72	13.70	215.36	5.25	82.53	6.750	14.54				
2/2014	12553464	CM16A	15.09	13.70	206.73	5.25	79.22	6.750	13.95				312.43
2/2014	12553485	CM16A	15.75	13.70	215.78	5.25	82.69	6.750	14.57				299.90
2/14	12553493	CM16A	15.77	13.70	216.05	5.25	82.79	6.750	14.58				313.04
2/2014	12553518	CM16A	15.60	13.70	213.72	5.25	81.90	6.750	14.43				313.42
2/2014	12553566	CM16A	15.57	13.70	213.31	5.25	81.74	6.750	14.40				310.05
2/14	12553651	CM16A	16.14	13.70	221.12	5.25	84.74	6.750	14.93				309.45
2/14	12553681	CM16A	15.72	13.70	215.36	5.25	82.53	6.750	14.54				320.79
2/2014	12553699	CM16A	14.51	13.70	198.79	5.25	76.18	6.750	13.42				312.43
2/14	12553708	CM16A	16.19	13.70	221.80	5.25	85.00	6.750	14.97				288.39
2/14	12553728	CM16A	14.80	13.70	202.76	5.25	77.70	6.750	13.69				321.77
2/2014	12553734	CM16A	15.47	13.70	211.94	5.25	81.22	6.750	14.31				294.15
2/2014	12553755	CM16A	14.42	13.70	197.55	5.25	75.71	6.750	13.33				307.47
2/14	12553756	CM16A	15.46	13.70	211.80	5.25	81.17	6.750	13.33				286.59
2/2014	12553785	CM16A	15.13	13.70	207.28	5.25	79.43	6.750	14.30				307.27
2/2014	12553790	CM16A	13.86	13.70	189.88	5.25	72.77	6.750	13.99				300.70
2/14	12553812	CM16A	15.60	13.70	213.72	5.25	81.90	6.750	12.82				275.47
2/14	12553821	CM16A	14.60	13.70	200.02	5.25	76.65	6.750	14.43				310.05
2/2014	12553822	CM16A	20.62	13.70	282.49	5.25	108.26	6.750	13.50				290.17
2/14	12553842	CM16A	15.80	13.70	216.46	5.25	82.95	6.750	19.07				409.82
2/14	12553852	CM16A	20.12	13.70	275.64	5.25	105.63	6.750	14.61				314.02
2/2014	12553853	CM16A	14.47	13.70	198.24	5.25	75.97	6.750	18.61				399.88
2/2014	12553866	CM16A	15.74	13.70	215.64	5.25	82.64	6.750	13.38				287.59
2/14	12553874	CM16A	20.82	13.70	285.23	5.25	109.31	6.750	14.56				312.84
2/2014	12553875	CM16A	14.71	13.70	201.53	5.25	77.23	6.750	19.25				413.79
2/2014	12553881	CM16A	15.98	13.70	218.93	5.25	83.90	6.750	13.60				292.36
2/14	12553893	CM16A	20.79	13.70	284.82	5.25	109.15	6.750	14.78				317.61
2/14	12553894	CM16A	14.57	13.70	199.61	5.25	76.49	6.750	19.23				413.20
2/2014	12553911	CM16A	15.37	13.70	210.57	5.25	80.69	6.750	13.47				289.57
2/14	12553928	CM16A	15.63	13.70	214.13	5.25	82.06	6.750	14.21				305.47
2/14	6 IL ST 3/8" CONC CHIP		480.02		6576.26		2,520.15		443.92		0.00		310.64
													9,540.33
Totals			480.02		6576.26		2,520.15		443.92		0.00		9,540.33

Please request invoice changes or deductions BEFORE payment is made.

Invoice must reach our office by 6/19/2014. A 1.5% discount charge (18% per annum) will be charged on late due accounts.

DISCOUNTED AMOUNT EXPIRES 5/30/2014	9,397.23
TOTAL AMOUNT DUE BY 6/19/2014	9,540.33

SEE OTHER TERMS ON REVERSE SIDE

Electronic Filing: Received, Clerk's Office 04/05/2023

RiverStone Group, Inc.
1701 - 5th Avenue
Moline IL 61265-7900

INVOICE

Page 1 of 1
INVOICE # 513616

Invoice Date: 6/30/2014
CUSTOMER ID: ILLENT
TERMS: 1.5%, 10, Net 30

PHONE: 800-906-2489 or 309-757-8250
FAX: 309-757-8257

PLANT SITE: Allied Stone MC30
601 US Rt. 67 North
Mllan IL 61264
Phone: 309-787-3141

SOLD TO:

ILLOWA ENTERPRISES INC

2703 4 AV
MOLINE IL 61265

ORDER #: ILLENT012

(D) GAS STATION @ 18TH ST & 5TH AVE/LECLAIRE AP

Please include our invoice # **513616** and Customer ID (ILLENT) on the front of your check.

Date	Ticket #	Code	Material		Freight		Tax		Fee		Total
			Qty	Rate	Rate	Amount	%	Amount	Code	Amount	
(D) GAS STATION @ 18TH ST & 5TH AVE/LECLAIRE APT											
6/25/2014	12561784	38CL	14.86	12.70	188.72	5.25	78.02	6.750	12.74	0.00	279.48
6/25/2014	12561777	38CL	14.15	12.70	179.71	5.25	74.29	6.760	12.13	0.00	266.13
6/25/2014	12561792	38CL	14.05	12.70	178.44	5.25	73.78	6.750	12.04	0.00	264.24
6/25/2014	12561802	38CL	14.34	12.70	182.12	5.25	75.29	6.750	12.29	0.00	269.70
6/25/2014	12561803	38CL	15.11	12.70	191.80	5.25	79.33	6.750	12.95	0.00	284.18
6/25/2014	12561819	38CL	13.91	12.70	176.66	5.25	73.03	6.750	11.92	0.00	261.61
6/25/2014	12561830	38CL	13.95	12.70	177.17	5.25	73.24	6.750	11.98	0.00	262.37
6/25/2014	12561834	38CL	15.12	12.70	192.02	5.25	79.38	6.750	12.96	0.00	284.38
6/25/2014	12561857	38CL	13.50	12.70	171.46	5.25	70.88	6.750	11.57	0.00	253.90
6/25/2014	12561858	38CL	14.65	12.70	188.06	5.25	76.91	6.750	12.58	0.00	276.53
6/25/2014	12561873	38CL	14.86	12.70	188.72	5.25	78.02	6.750	12.74	0.00	279.48
6/25/2014	12561891	38CL	14.31	12.70	181.74	5.25	75.13	6.750	12.27	0.00	269.14
6/25/2014	12561893	38CL	14.08	12.70	178.82	5.25	73.92	6.750	12.07	0.00	264.81
3/8" CLEAN COMM CHIP			186.89		2373.53		981.20		160.20	0.00	3,514.93
Invoice Totals			186.89		2373.53		981.20		160.20	0.00	3,514.93

Please request invoice changes or deductions BEFORE payment is made.

Total due must reach our office by 7/30/2014. A 1.5% service charge (18% per annum) will be charged on past due accounts.

DISCOUNTED AMOUNT EXPIRES 7/10/2014	3,482.21
TOTAL AMOUNT DUE BY 7/30/2014	3,514.93

SEE OTHER TERMS ON REVERSE SIDE

RiverStone Group, Inc.
1701 - 5th Avenue
Moline IL 61265-7900

INVOICE

Page 1 of 1
INVOICE # 513616

PHONE: 800-906-2489 or 309-757-8250
FAX: 309-757-8257

Invoice Date: 6/30/2014
CUSTOMER ID: ILLENT
TERMS: 1.5%, 10, Net 30

SOLD TO:

ILLOWA ENTERPRISES INC

2703 4 AV
MOLINE IL 61265

PLANT SITE: Allied Stone MC30
601 US Rt. 67 North
Milan IL 61264
Phone: 309-787-3141

ORDER #: ILLENT012

(D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIR

Please include our Invoice # 513616 and Customer ID (ILLENT) on the front of your check.

Date	Ticket #	Code	Material			Freight		Tax		Fee		Total
			Qty	Rate	Amount	Rate	Amount	%	Amount	Code	Amount	
(D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE APT												
25/2014	12561764	38CL	14.86	12.70	188.72	5.25	78.02	6.750	12.74		0.00	
25/2014	12561777	38CL	14.15	12.70	179.71	5.25	74.29	6.750	12.13		0.00	279.48
25/2014	12561792	38CL	14.05	12.70	178.44	5.25	73.76	6.750	12.04		0.00	266.13
25/2014	12561802	38CL	14.34	12.70	182.12	5.25	75.29	6.750	12.29		0.00	264.24
25/2014	12561803	38CL	15.11	12.70	191.90	5.25	79.33	6.750	12.95		0.00	269.70
25/2014	12561819	38CL	13.91	12.70	176.66	5.25	73.03	6.750	11.92		0.00	284.18
25/2014	12561830	38CL	13.95	12.70	177.17	5.25	73.24	6.750	11.96		0.00	261.61
25/2014	12561834	38CL	15.12	12.70	192.02	5.25	79.38	6.750	12.96		0.00	262.37
25/2014	12561857	38CL	13.50	12.70	171.45	5.25	70.88	6.750	11.57		0.00	284.36
25/2014	12561858	38CL	14.65	12.70	186.06	5.25	76.91	6.750	12.56		0.00	253.90
25/2014	12561873	38CL	14.86	12.70	188.72	5.25	78.02	6.750	12.74		0.00	275.53
25/2014	12561891	38CL	14.31	12.70	181.74	5.25	75.13	6.750	12.27		0.00	279.48
25/2014	12561893	38CL	14.08	12.70	178.82	5.25	73.92	6.750	12.07		0.00	269.14
1/8" CLEAN COMM CHIP			186.89		2373.53		981.20		160.20		0.00	264.81
Invoice Totals			186.89		2373.53		981.20		160.20		0.00	3,514.93

APPROVED GS
 VENDOR # 5540
 MONTH 7-7-14
 ACCT 1308
 BY Heelone
 INP Streddy

Please request invoice changes or deductions BEFORE payment is made.

Total due must reach our office by 7/30/2014. A 1.5% service charge (18% per annum) will be charged on past due accounts.

DISCOUNTED AMOUNT EXPIRES 7/10/2014	3,462.21
TOTAL AMOUNT DUE BY 7/30/2014	3,514.93

SEE OTHER TERMS ON REVERSE SIDE

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553755
Date: 5/14/2014
Time Out: 10:38

ORIGINAL

Electronic Filing Received, Clerk's Office 04/05/2023

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 107.25 Tons (US) 7 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 14.42 Tons (US)

	Pounds	Tons (US)
Gross	51400	25.70
Tare	22560	11.28
Net	28840	14.42

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/1/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553734
Date: 5/13/2014
Time Out: 10:07

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 92.83 Tons (US) 6 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.47 Tons (US)

	Pounds	Tons (US)
Gross	53020	26.51
Tare	22080	11.04
Net	30940	15.47

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/1/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553728
Date: 5/13/2014
Time Out: 09:59

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 77.36 Tons (US) 5 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 14.80 Tons (US)

	Pounds	Tons (US)
Gross	52160	26.08
Tare	22560	11.28
Net	29600	14.80

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/1/2013
000218

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3144
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553708
Date: 5/13/2014
Time Out: 09:33

ORIGINAL

Electronic Filing Received, Clerk's Office 04/05/2023

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 62.56 Tons (US) 4 Loads

Material: CM16A		
Desc: 022CM16 IL ST 3/8" CONC CHIP		
Billed Units: 16.19 Tons (US)		
	Pounds	Tons (US)
Gross	54460	27.23
Tare	22080	11.04
Net	32380	16.19

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553699
Date: 5/13/2014
Time Out: 09:20

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 46.37 Tons (US) 3 Loads

Material: CM16A		
Desc: 022CM16 IL ST 3/8" CONC CHIP		
Billed Units: 14.51 Tons (US)		
	Pounds	Tons (US)
Gross	51580	25.79
Tare	22560	11.28
Net	29020	14.51

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553681
Date: 5/13/2014
Time Out: 08:55

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 31.86 Tons (US) 2 Loads

Material: CM16A		
Desc: 022CM16 IL ST 3/8" CONC CHIP		
Billed Units: 15.72 Tons (US)		
	Pounds	Tons (US)
Gross	53520	26.76
Tare	22080	11.04
Net	31440	15.72

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553651
Date: 5/13/2014
Time Out: 08:21

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 16.14 Tons (US) 1 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 16.14 Tons (US)

	Pounds	Tons (US)
Gross	54360	27.18
Tare	22080	11.04
Net	32280	16.14

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____
customer copy 2 rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553928
Date: 5/13/2014
Time Out: 02:52

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 386.52 Tons (US) 24 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.63 Tons (US)

	Pounds	Tons (US)
Gross	53340	26.67
Tare	22080	11.04
Net	31260	15.63

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____
customer copy 2 rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553911
Date: 5/13/2014
Time Out: 02:25

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 370.89 Tons (US) 23 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.37 Tons (US)

	Pounds	Tons (US)
Gross	52820	26.41
Tare	22080	11.04
Net	30740	15.37

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____
customer copy 2 rev. 1.23 4/11/2013
000220

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553894
Date: 04/05/2023
Time Out: 01:52

ORIGINAL

Electronic Filing: Received Clerk's Office 04/05/2023

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 355.52 Tons (US) 22 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 14.57 Tons (US)

	Pounds	Tons (US)
Gross	51700	25.85
Tare	22560	11.28
Net	29140	14.57

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/1/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553893
Date: 5/13/2014
Time Out: 01:51

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 340.95 Tons (US) 21 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 20.79 Tons (US)

	Pounds	Tons (US)
Gross	71480	35.74
Tare	29900	14.95
Net	41580	20.79

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P114740 Driver: WAYNE/VERPLAETSE TRK
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/1/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553881
Date: 5/13/2014
Time Out: 01:33

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 320.16 Tons (US) 20 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.98 Tons (US)

	Pounds	Tons (US)
Gross	54040	27.02
Tare	22080	11.04
Net	31960	15.98

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/1/2013
000221

Allied Stone RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553875
Date: 04/05/2013
Time Out: 01:14

ORIGINAL

Electronic Filing Received, Clerk's Office 04/05/2013

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 304.18 Tons (US) 19 Loads

Material: CM16A		
Desc: 022CM16 IL ST 3/8" CONC CHIP		
Billed Units: 14.71 Tons (US)		
	Pounds	Tons (US)
Gross	51980	25.99
Tare	22560	11.28
Net	29420	14.71

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553874
Date: 5/13/2014
Time Out: 01:13

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 289.47 Tons (US) 18 Loads

Material: CM16A		
Desc: 022CM16 IL ST 3/8" CONC CHIP		
Billed Units: 20.82 Tons (US)		
	Pounds	Tons (US)
Gross	71540	35.77
Tare	29900	14.95
Net	41640	20.82

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P114740 Driver: WAYNE/VERPLAETSE TRK
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553866
Date: 5/13/2014
Time Out: 01:01

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 268.65 Tons (US) 17 Loads

Material: CM16A		
Desc: 022CM16 IL ST 3/8" CONC CHIP		
Billed Units: 15.74 Tons (US)		
	Pounds	Tons (US)
Gross	53560	26.78
Tare	22080	11.04
Net	31480	15.74

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

000222
rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

TICKET NO: 12553853
Date: 5/13/2014
Time Out: 12:38

ORIGINAL

Electronic Filing Received Clerk's Office 04/05/2023

Main Office: (309) 757-8250

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 252.91 Tons (US) 16 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 14.47 Tons (US)

	Pounds	Tons (US)
Gross	51500	25.75
Tare	22560	11.28
Net	28940	14.47

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553852 ORIGINAL
Date: 5/13/2014
Time Out: 12:36

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 238.44 Tons (US) 15 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 20.12 Tons (US)

	Pounds	Tons (US)
Gross	70140	35.07
Tare	29900	14.95
Net	40240	20.12

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P114740 Driver: WAYNE/VERPLAETSE TRK
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
rev. 1.23 4/11/2013

Allied Stone MC30 RiverStone Group, Inc.
601 US Rt 67 N Milan, Illinois 61264 Plant: (309) 787-3141
ILDOT# 5161231 IADOT# AIL010 Main Office: (309) 757-8250

TICKET NO: 12553842 ORIGINAL
Date: 5/13/2014
Time Out: 12:26

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 218.32 Tons (US) 14 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.80 Tons (US)

	Pounds	Tons (US)
Gross	53680	26.84
Tare	22080	11.04
Net	31600	15.80

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____
customer copy 2

Rec'd by: _____
000223
rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Electronic Filing Received, Clerk's Office 04/05/2023
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553822
Date: 5/13/2014
Time Out: 11:59

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 202.52 Tons (US) 13 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 20.62 Tons (US)

	Pounds	Tons (US)
Gross	71140	35.57
Tare	29900	14.95
Net	41240	20.62

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P114740 Driver: WAYNEVERPLAETSE TRK
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553821
Date: 5/13/2014
Time Out: 11:58

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 181.90 Tons (US) 12 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 14.60 Tons (US)

	Pounds	Tons (US)
Gross	51760	25.88
Tare	22560	11.28
Net	29200	14.60

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553812
Date: 5/13/2014
Time Out: 11:45

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 167.30 Tons (US) 11 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.60 Tons (US)

	Pounds	Tons (US)
Gross	53280	26.64
Tare	22080	11.04
Net	31200	15.60

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

	Rate	Amount
Tax: 109	6.750	
Fees:		

Driver's signature: _____

Rec'd by: _____

customer copy 2

000224
rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Electronic Filing Received Clerk's Office
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553790
Date: 5/13/2014
Time Out: 11:18

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 151.70 Tons (US) 10 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 13.86 Tons (US)
Pounds Tons (US)
Gross 50280 25.14
Tare 22560 11.28
Net 27720 13.86

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P221088 Driver: VERPLASTE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

Rate Amount
Tax: 109 6.750
Fees:

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553785
Date: 5/13/2014
Time Out: 11:15

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 137.84 Tons (US) 9 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.13 Tons (US)
Pounds Tons (US)
Gross 52340 26.17
Tare 22080 11.04
Net 30260 15.13

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

Rate Amount
Tax: 109 6.750
Fees:

Driver's signature: _____

Rec'd by: _____

customer copy 2

rev. 1.23 4/11/2013

Allied Stone MC30
601 US Rt 67 N Milan, Illinois 61264
ILDOT# 5161231 IADOT# AIL010

RiverStone Group, Inc.
Plant: (309) 787-3141
Main Office: (309) 757-8250

TICKET NO: 12553756
Date: 5/13/2014
Time Out: 10:38

ORIGINAL

Customer: ILLENT ILLOWA ENTERPRISES INC
2703 4 AV MOLINE, IL 61265
(309) 762-1729
Order: ILLENT012 (D) GAS STATION @ 19TH ST & 5TH AVE/LECLAIRE /
P.O./Job:
Today's Totals: 122.71 Tons (US) 8 Loads

Material: CM16A
Desc: 022CM16 IL ST 3/8" CONC CHIP
Billed Units: 15.46 Tons (US)
Pounds Tons (US)
Gross 53000 26.50
Tare 22080 11.04
Net 30920 15.46

Rate: Carrier: MACTRK MACK TRUCKING VIOLA INC - NOR
Vehicle: P559487 Driver: MACK TRUCKING/PETE
Delivery: ACROSS LECLAIRE APTS Del/Pickup: Deliver

Rate Amount
Tax: 109 6.750
Fees:

Driver's signature: _____

Rec'd by: _____

000225

customer copy 2

rev. 1.23 4/11/2013

UPPER ROCK ISLAND LANDFILL - 4724
 PO BOX 99793
 CHICAGO, IL 60696-7593
 (309) 496-2396

INVOICE

TO:

CWM
 701 SOUTH GRAND AVENUE WEST
 SPRINGFIELD, IL 62704

INVOICE NO. 0000012952
 PAGE 1
 DATE Apr-30-14
 2444
 CUSTOMER NO.
 SITE NO.
 REFERENCE NO.

SERVICE DATE	CODE	DESCRIPTION	REFERENCE	QTY.	AMOUNT
Balance forward :					\$0.00
Payments :					\$0.00
Adjustments :					\$0.00
Invoices :					\$0.00
30 - Apr	VG	SW-CONT SOIL	25.00 24-954026	28.96 TN	\$724.00
30 - Apr	VG	SW-CONT SOIL	25.00 24-954040	29.36 TN	\$734.00
30 - Apr	VG	SW-CONT SOIL	25.00 24-954059	26.56 TN	\$664.00
<u>Material Summary</u>					
	VG	SW-CONT SOIL		84.88 TN	

Payment due upon receipt of this invoice. 1.5% per month (18% per annum) late charge on balances over 30 days from date of invoice.
 Payments received after invoice date are not reflected.
 To ensure proper credit, please include your account number on your check and include the bottom portion of this invoice. When making payment on multiple accounts, please include the account numbers and the amounts of payment.

Account Status

CURRENT
 \$ 2,122.00

31 - 60 DAYS
 \$ 0.00

61 - 90 DAYS
 \$ 0.00

OVER 90 DAYS
 \$ 0.00

We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO. 0000012952 UPPER ROCK ISLAND LANDFILL - 4724
 PAGE 1 PO BOX 99793
 DATE Apr-30-14 CHICAGO, IL 60696-7593
 CUSTOMER NO. 2444 (309) 496-2396
 SITE NO.
 REFERENCE NO.

TOTAL THIS INVOICE \$2,122.00

PLEASE PAY THIS AMOUNT \$2,122.00

AMOUNT OF REMITTANCE

PLEASE RETURN THIS PORTION WITH REMITTANCE

REMARKS

000226

UPPER ROCK ISLAND LANDFILL - 4724
 PO BOX 99793
 CHICAGO, IL 60696-7593
 (309) 496-2396

INVOICE

0000012988

INVOICE NO. 1
 PAGE May-15-14
 DATE 2444
 CUSTOMER NO.
 SITE NO.
 REFERENCE NO.

TO:

CWM
 701 SOUTH GRAND AVENUE WEST
 SPRINGFIELD, IL 62704

SERVICE DATE	CODE	DESCRIPTION	REFERENCE	QTY.	AMOUNT
		Balance forward :			
		Payments :			\$0.00
		Adjustments :			\$0.00
		Invoices :			\$0.00
01 - May	VG	SW-CONT SOIL	25.00 24-954098	29.20 TN	\$730.00
01 - May	VG	SW-CONT SOIL	25.00 24-954114	29.72 TN	\$743.00
		Reference: 2			
01 - May	VG	SW-CONT SOIL	25.00 24-954139	30.76 TN	\$769.00
		Reference: 2			
01 - May	VG	SW-CONT SOIL	25.00 24-954164	29.57 TN	\$739.25
		Reference: 3			
01 - May	VG	SW-CONT SOIL	25.00 24-954184	33.15 TN	\$828.75
		Reference: 3			
01 - May	VG	SW-CONT SOIL	25.00 24-954216	27.52 TN	\$688.00
		Reference: 3			
02 - May	VG	SW-CONT SOIL	25.00 24-954236	21.12 TN	\$528.00
02 - May	VG	SW-CONT SOIL	25.00 24-954269	26.93 TN	\$673.25
02 - May	VG	SW-CONT SOIL	25.00 24-954285	29.88 TN	\$747.00
02 - May	VG	SW-CONT SOIL	25.00 24-954308	27.42 TN	\$685.50
05 - May	VG	SW-CONT SOIL	25.00 24-954436	17.94 TN	\$448.50
		Reference: 6			
05 - May	VG	SW-CONT SOIL	25.00 24-954474	25.62 TN	\$640.50
05 - May	VG	SW-CONT SOIL	25.00 24-954511	19.83 TN	\$495.75
		Reference: 6			
05 - May	VG	SW-CONT SOIL	25.00 24-954530	21.14 TN	\$528.50
06 - May	VG	SW-CONT SOIL	25.00 24-954587	21.20 TN	\$530.00

Payment due upon receipt of this invoice. 1.5% per month (18% per annum) late charge on balances over 30 days from date of invoice.
 Payments received after invoice date are not reflected.
 To ensure proper credit, please include your account number on your check and include the bottom portion of this invoice. When making payment on multiple accounts, please include the account numbers and the amounts of payment.

Account Status

CURRENT

31 - 60 DAYS

61 - 90 DAYS

OVER 90 DAYS

We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO.
 PAGE
 DATE
 CUSTOMER NO.
 SITE NO.
 REFERENCE NO.

TOTAL THIS INVOICE

PLEASE PAY THIS AMOUNT

AMOUNT OF REMITTANCE

PLEASE RETURN THIS PORTION WITH REMITTANCE

REMARKS

000227

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is HQT asbestos waste, complete Sections I, II and III

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is HQT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes I-a-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 2
c. Page 1 of 1

d. Generator's Name and Location: Amun Food & Gas, 1430 5th Ave, Moline IL, 61265, Phone 363-275-8189
e. Generator's Mailing Address: CWM Company, 701 South Grand Ave West, Springfield IL, 62704, Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide: _____

h. Owner's Name: _____
i. Owner's Phone No.: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	m. Containers No.	n. Type	o. Total Quantity	p. Unit Wt/Vol
472144151	12/31/14	LUST Sol-Unleaded gasoline 954026	01	CM	28.96	T
		954040	01	CM	29.36	T
		954059	01	CM	26.56	T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Barb Kaur
g. Generator Authorized Agent Name (Print): Barb Kaur
i. Signature: [Signature]
j. Date: 4/30/14

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)

a. Transporter's Name and Address: Carter's Son Inc., 2510 CO RD 225E, Moline, IL 61262, Phone 618-896-5316
b. Phone: 618-896-5316
c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 4-30-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address: Upper Rock Island Landfill, 17201 20th Ave, East Moline, IL, 61244, Phone 309-496-2398
c. US EPA Number: 1618100014
d. Discrepancy Indication Space: _____
f. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 4-30-14

IV. ASBESTOS (Generator completes IV-a-f and Operator completes IV-g-i)

a. Operator's Name and Address: _____
b. Phone: _____
c. Special Handling Instructions and Additional Information: _____
d. Phone: _____
f. Frac Non-Frac Both % Frac % Non-Frac
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

I. GENERATOR (Generator completes I-a-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 2
c. Page 1 of 1

d. Generator's Name and Location: Amun Food & Gas, 1430 5th Ave, Moline IL, 61265, Phone 363-275-8189
e. Generator's Mailing Address: CWM Company, 701 South Grand Ave West, Springfield IL, 62704, Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide: _____

h. Owner's Name: _____
i. Owner's Phone No.: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	m. Containers No.	n. Type	o. Total Quantity	p. Unit Wt/Vol
472144151	12/31/14	LUST Sol-Unleaded gasoline 954098	01	CM	29.30	T
		954114	01	CM	29.72	T
		954139	01	CM	30.76	T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Barb Kaur
g. Generator Authorized Agent Name (Print): Barb Kaur
i. Signature: [Signature]
j. Date: 5/1/14

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)

a. Transporter's Name and Address: Carter's Son Inc., 2510 CO RD 225E, Moline, IL 61262, Phone 618-896-5316
b. Phone: 618-896-5316
c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-1-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address: Upper Rock Island Landfill, 17201 20th Ave, East Moline, IL, 61244, Phone 309-496-2398
c. US EPA Number: 1618100014
d. Discrepancy Indication Space: _____
f. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 5-1-14

IV. ASBESTOS (Generator completes IV-a-f and Operator completes IV-g-i)

a. Operator's Name and Address: _____
b. Phone: _____
c. Special Handling Instructions and Additional Information: _____
d. Phone: _____
f. Frac Non-Frac Both % Frac % Non-Frac
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is HQT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes I-a-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 3
c. Page 1 of 1

d. Generator's Name and Location: Amun Food & Gas, 1430 5th Ave, Moline IL, 61265, Phone 363-275-8189
e. Generator's Mailing Address: CWM Company, 701 South Grand Ave West, Springfield IL, 62704, Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide: _____

h. Owner's Name: _____
i. Owner's Phone No.: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	m. Containers No.	n. Type	o. Total Quantity	p. Unit Wt/Vol
472144151	12/31/14	LUST Sol-Unleaded gasoline 954164	01	CM	29.57	T
		954184	01	CM	33.15	T
		954216	01	CM	22.52	T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Barb Kaur
g. Generator Authorized Agent Name (Print): Barb Kaur
i. Signature: [Signature]
j. Date: 5/1/14

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)

a. Transporter's Name and Address: Carter's Son Inc., 2510 CO RD 225E, Moline, IL 61262, Phone 618-896-5316
b. Phone: 618-896-5316
c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5-1-14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address: Upper Rock Island Landfill, 17201 20th Ave, East Moline, IL, 61244, Phone 309-496-2398
c. US EPA Number: 1618100014
d. Discrepancy Indication Space: _____
f. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 5-1-14

IV. ASBESTOS (Generator completes IV-a-f and Operator completes IV-g-i)

a. Operator's Name and Address: _____
b. Phone: _____
c. Special Handling Instructions and Additional Information: _____
d. Phone: _____
f. Frac Non-Frac Both % Frac % Non-Frac
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is HQT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes I-a-f)

a. Generator's US EPA ID Number: 181045194
b. Manifest Document Number: 2
c. Page 1 of 1

d. Generator's Name and Location: Amun Food & Gas, 1430 5th Ave, Moline IL, 61265, Phone 363-275-8189
e. Generator's Mailing Address: CWM Company, 701 South Grand Ave West, Springfield IL, 62704, Phone 217-522-8001

f. Owner of the generating facility differs from the generator, provide: _____

h. Owner's Name: _____
i. Owner's Phone No.: _____

Waste Profile #	Exp. Date	Waste Shipping Name and Description	m. Containers No.	n. Type	o. Total Quantity	p. Unit Wt/Vol
472144151	12/31/14	LUST Sol-Unleaded gasoline 954236	01	CM	21.12	T
		954269	01	CM	26.93	T
		954285	01	CM	29.88	T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Barb Kaur
g. Generator Authorized Agent Name (Print): Barb Kaur
i. Signature: [Signature]
j. Date: 5/2/14

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)

a. Transporter's Name and Address: Carter's Son Inc., 2510 CO RD 225E, Moline, IL 61262, Phone 618-896-5316
b. Phone: 618-896-5316
c. Driver Name (Print): [Signature]
d. Signature: [Signature]
e. Date: 5/2/14

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)

a. Disposal Facility and Site Address: Upper Rock Island Landfill, 17201 20th Ave, East Moline, IL, 61244, Phone 309-496-2398
c. US EPA Number: 1618100014
d. Discrepancy Indication Space: _____
f. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
g. Name of Authorized Agent (Print): [Signature]
h. Signature: [Signature]
i. Date: 5/2/14

IV. ASBESTOS (Generator completes IV-a-f and Operator completes IV-g-i)

a. Operator's Name and Address: _____
b. Phone: _____
c. Special Handling Instructions and Additional Information: _____
d. Phone: _____
f. Frac Non-Frac Both % Frac % Non-Frac
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is HQT asbestos waste, complete Sections I, II and III.

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is HQT asbestos waste, complete Sections I, II and III.

Generator Manifest Form (Page 1 of 1) for Generator 1810455194. Includes sections for Generator, Transporter (Carter & Sons, Inc.), and Destination (Upper Rock Island Landfill). Waste: LUST Sol-Unleaded gasoline, 954308, 17.42 T.

Generator Manifest Form (Page 1 of 1) for Generator 1810455194. Includes sections for Generator, Transporter (Carter & Sons, Inc.), and Destination (Upper Rock Island Landfill). Waste: LUST Sol-Unleaded gasoline, 954436, 17.94 T.

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is HQT asbestos waste, complete Sections I, II and III.

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is HQT asbestos waste, complete Sections I, II and III.

Generator Manifest Form (Page 1 of 1) for Generator 1810455194. Includes sections for Generator, Transporter (Carter & Sons, Inc.), and Destination (Upper Rock Island Landfill). Waste: LUST Sol-Unleaded gasoline, 954530, 21.14 T.

Generator Manifest Form (Page 1 of 1) for Generator 1810455194. Includes sections for Generator, Transporter (Carter & Sons, Inc.), and Destination (Upper Rock Island Landfill). Waste: LUST Sol-Unleaded gasoline, 954587, 21.20 T.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is RCRA asbestos waste, complete Sections I, II and III

Generator (Generator completes I-a) form with handwritten entries for generator name, address, waste description (955226), and destination (MMA Labs).



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is RCRA asbestos waste, complete Sections I, II and III

Generator (Generator completes I-a) form with handwritten entries for generator name, address, waste description (955204), and destination (MMA Labs).



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is RCRA asbestos waste, complete Sections I, II and III

Generator (Generator completes I-a) form with handwritten entries for generator name, address, waste description (955187), and destination (MMA Labs).



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is RCRA asbestos waste, complete Sections I, II and III

Generator (Generator completes I-a) form with handwritten entries for generator name, address, waste description (955233), and destination (MMA Labs).

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS
PERSONNEL SUMMARY SHEET**

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/1/2014
To: 5/31/2014

Employee	Work Classification	ST/OT	Rate (\$/Hr)	Total
W.T. Sinnott	Senior Project Manager		\$119.08	\$0.00
W.L. Sinnott	Senior Account Technician		\$61.16	\$0.00
	Project Manager		\$105.28	\$0.00
R. Haas	Senior Account Technician		\$66.80	\$0.00
R. Haas	Senior Administrative Assistant		\$53.60	\$0.00
C.L. Rowe	Senior Project Manager	22.75	\$119.08	\$2,709.07
M.D. Rives	Engineer II	52.25	\$101.24	\$5,289.79
				\$0.00
V.E. Smith	Senior Professional Engineer	2.75	\$154.84	\$425.81
V.E. Smith	Engineer III	5.00	\$119.08	\$595.40
V.E. Smith	Senior Draftsperson/CAD	0.75	\$71.44	\$53.58
R.J. Stanley	Professional Geologist	1.25	\$109.56	\$136.95
	Senior Draftsperson/CAD		\$66.72	\$0.00
			\$113.44	\$0.00
			\$68.04	\$0.00
B.M. Walwer	Engineer I	0.50	\$89.32	\$44.66
B.M. Walwer	Draftsperson/CAD III		\$59.52	\$0.00
H.J. Navarro	Senior Administrative Assistant	11.00	\$53.60	\$589.60
Total Personnel				\$9,844.86

	No. of Man-Days	Rate Per Day	TOTAL
Per Diem	5	\$39.00	\$195.00

Pers:5/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/1/2014
To: 5/3/2014

		SUN		MON		TUE		WED		THU 1		FRI 2		SAT 3		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas																0.00
Sr Acct Tech																
M.D. Rives	UST Uncover & Removal/ EA Excavation/ Placement of Backfill/ Arrangements/ Scheduling/ Coordination/ Contractors															21.50
Engineer II										11.00		10.50				
C.L. Rowe	Tank Removals/ Mobilizations/ 45-Day Report/ Field Report/ Arrangements/ Scheduling/ Coordination/ Contractors															9.25
Sen. Proj. Manager										5.25		3.50		0.50		
V.E. Smith	Drafting															0.75
Sr Dftspn/CAD												0.75				
V.E. Smith	Tank Removals/ Mobilizations/ 45-Day Report/ Arrangements/ Scheduling/ Coordination/ Contractors															2.50
Engineer III										1.75		0.75				
V.E. Smith	PE Review & Certificaiton															0.25
Sr Prof Engr												0.25				
B.M. Walwer																0.00
Engineer I																
H.J. Navarro	IEPA Project Correspondence/ Status Reports/ 45-Day Report/ Report Distribution/ EA Notifications/ Reporting															7.00
Sr Admin Asst										2.00		5.00				
																Total # of Pers.
	Per Diem # of Persons									1		1				

000234

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/11/2014
To: 5/17/2014

		SUN 11		MON 12		TUE 13		WED 14		THU 15		FRI 16		SAT 17		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas																0.00
Sr Acct Tech																0.00
Scientist I																
C.L. Rowe	EA Documentation/ UST Removal/ Excavation/ Disposal/ Sampling/ 45- Day Report															2.75
Sen. Proj. Manager				1.00		0.50		1.00		0.25						
V.E. Smith																0.00
Sr. Prof. Eng.																
V.E. Smith	EA Documentation/ UST Removal/ Excavation/ Disposal/ Sampling															0.25
Engineer III												0.25				
B.M. Walwer																0.00
Dftspn/CAD III																
B.M. Walwer	Sample Preparation & Shipment															0.50
Engineer I				0.50												
H.J. Navarro	EA Documentation/ Disposal															3.75
Sr. Admin. Asst.				3.00		0.75										
																Total # of Pers.
	Per Diem # of Persons															

Pw:5/11/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/18/2014
To: 5/24/2014

		SUN 18		MON 19		TUE 20		WED 21		THU 22		FRI 23		SAT 24		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sr Project Mgr																0.00
V.E. Smith																0.00
Sr Prof Engr																0.00
R. Haas																0.00
Sr Acct Tech																
C.L. Rowe	EA Documentation/ Excavation/ Disposal/ Sampling/ 45-Day Report/ Review & Log Soil Analytical Results/ Rreimbursement Oversight/ Coordination															5.25
Sen. Proj. Manager				0.50		1.50				2.75		0.50				0.50
V.E. Smith	EA Documentation/ Excavation/ Disposal															0.50
Engineer III						0.25		0.25								0.00
V.E. Smith																0.00
Sr Prof Engr																0.00
B.M. Walwer																0.00
Engineer I																0.00
B.M. Walwer																0.00
Dftspns/CAD III																0.25
H.J. Navarro																0.25
Sr Admin Asst										0.25						
																Total # of Pers.
	Per Diem # of Persons															

Pw:5/18/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/25/2014
To: 5/31/2014

		SUN 25		MON 26		TUE 27		WED 28		THU 29		FRI 30		SAT 31		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
M.D. Rives	IEPA Project Communication/ Calls/ Reviews															1.00
Engineer II						1.00										
R. Haas																0.00
Sr Acct Tech																
C.L. Rowe	EA Documentation/ Excavation/ Disposal/ Sampling															1.00
Sen. Proj. Manager						1.00										
R.J. Stanley																0.00
Prof. Geologist																
V.E. Smith																0.00
Engineer III																
V.E. Smith	PE Review & Certification/ 45-Day Report Addendum															2.50
Sr Prof Engr										0.50		2.00				
B.M. Walwer																0.00
Dftspn/CAD III																
H.J. Navarro																0.00
Sr Admin Asst																
																Total # of Pers.
	Per Diem # of Persons															

Pw:5/25/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

EQUIPMENT

Job Name: Aman Food & Gas		Billing Period	
Contractor: CW³M Company, Inc.		From:	5/1/2014
		To:	5/31/2014
Equipment Used	Time Used	Unit Rate	Total Cost
Water Level Indicator	1	\$24.00/day	\$24.00
PID	4	\$129.00/day	\$516.00
Digital Camera	4	\$10.00/day	\$40.00
Measuring Wheel	4	\$18.00/day	\$72.00
UST Removal-Labor&Equip Total Amt UST Removal over Subpart H		(\$4,205.68)	-\$4,205.68
UST Removal-Labor&Equip Total UST Removal, 3 mid-sized tanks, T&M Attached		\$15,460.87	\$15,460.87
Excavation-Labor&Equip Total ETD, 507 CY Allowed, T&M Attached		\$36,692.01	\$36,692.01
Excavation-Labor&Equip Total Amt ETD over Subpart H		(\$2,271.78)	-\$2,271.78
Backfill Place&Grade Total Backfill, 444.61 CY Allowed, T&M Attached		\$12,859.44	\$12,859.44
Backfill Place&Grade Total Amt Backfill over Subpart H		(\$2,268.91)	-\$2,268.91
Total Equipment Cost			\$56,917.95

EQ:5/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

EQUIPMENT WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/1/2014
To: 5/3/2014

EQUIPMENT	SUN	MON	TUE	WED	THU 1	FRI 2	SAT 3	Total Hrs or Days
Water Level Indicator					1 @ \$24.00			1 @ \$24.00
PID					1 @ \$129.00			1 @ \$129.00
Digital Camera					1 @ \$10.00			1 @ \$10.00
Measuring Wheel					1 @ \$18.00			1 @ \$18.00
UST Removal-Labor&Equip Total Amt UST Removal over Subpart H					(\$4,205.68)			(\$4,205.68)
UST Removal-Labor&Equip Total UST Removal, 3 mid- sized tanks. T&M Attached					\$15,460.87			\$15,460.87

Contractor's Authorized Representative:

Date:

Date:

Ew:5/1/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

EQUIPMENT WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/4/2014
To: 5/10/2014

EQUIPMENT	SUN 4	MON 5	TUE 6	WED 7	THU 8	FRI 9	SAT 10	Total Hrs or Days
Digital Camera		1 @ \$10.00	1 @ \$10.00	1 @ \$10.00				3 @ \$10.00 = \$30.00
Measuring Wheel		1 @ \$18.00	1 @ \$18.00	1 @ \$18.00				3 @ \$18.00 = \$54.00
PID		1 @ \$129.00	1 @ \$129.00	1 @ \$129.00				3 @ \$129.00 = \$387.00

Contractor's Authorized Representative:

Date:

Date:

Ew:5/4/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

EQUIPMENT WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/11/2014
To: 5/17/2014

EQUIPMENT	SUN 11	MON 12	TUE 13	WED 14	THU 15	FRI 16	SAT 17	Total Hrs or Days
Excavation-Labor&Equip Total ETD, 507 CY Allowed, T&M Attached		\$36,692.01						\$36,692.01
Excavation-Labor&Equip Total Amt ETD over Subpart H		(\$2,271.78)						(\$2,271.78)
Backfill Place&Grade Total Backfill, 444.61 CY Allowed, T&M Attached			\$12,859.44					\$12,859.44
Backfill Place&Grade Total Amt Backfill over Subpart H			(\$2,268.91)					(\$2,268.91)

Contractor's Authorized Representative:

Date:

Date:

Ew:5/11/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

STOCK ITEMS

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period

From: 5/1/2014
To: 5/31/2014

Stock Items	Quantity	Price/Item	Total Costs/Item
Postage: IEPA 45-Day Report	1	\$2.66	\$2.66
Copies: IEPA 45-Day Report	185	\$0.15	\$27.75
Disposable Latex Gloves	4	\$13.00	\$52.00
Ice: Sample Preservation/Field	1	\$1.00	\$1.00
Postage: OSFM/Local FPD UST Notification	1	\$0.48	\$0.48
Ice: Sample Shipment	1	\$4.00	\$4.00
Copies: EA Doc/Fld Rpts/Maps/UST Removal	5	\$0.15	\$0.75
Copies: EA Documentation/Disposal	5	\$0.15	\$0.75
Copies: EA Documentation/UST Removal/ETD	43	\$0.15	\$6.45
Copies: IEPA 45-Day Addendum/Attachments	269	\$0.15	\$40.35
Copies: IEPA 45-Day Addendum Report	33	\$0.15	\$4.95
Copies: Disposal Documentation	10	\$0.15	\$1.50
Total Stock Items			\$142.64

SI:5/14

REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS

MATERIALS AND EXPENDABLES WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/1/2014
To: 5/3/2014

EQUIPMENT Employee Mileage	SUN	MON	TUE	WED	THU 1	FRI 2	SAT 3	Total Hrs or Days
M.D. Rives					25 @ \$.58 = \$14.50	192 @ \$.58 = \$111.36		217 @ \$.58 = \$125.86

Contractor's Authorized Representative:

Date:

Date:

Mw:5/1/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

MATERIALS AND EXPENDABLES WEEKLY WORKSHEET

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 5/4/2014
To: 5/10/2014

EQUIPMENT Employee Mileage	SUN 4	MON 5	TUE 6	WED 7	THU 8	FRI 9	SAT 10	Total Hrs or Days
M.D. Rives		150 @ \$.58 = \$87.00	25 @ \$.58 = \$14.50	180 @ \$.58 = \$104.40				355 @ \$.58 = \$205.90

Contractor's Authorized Representative:

Date:

Date:

Mw:5/4/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

SUBCONTRACTORS

Job Name: Aman Food & Gas		Billing Period
Contractor: CW³M Company, Inc.		From: 5/1/2014
		To: 5/31/2014
Subcontractors Name	Work Description	Subcontract Amount
Windish Trucking 5610 N. Townhouse Road Brimfield, IL 61517 Inv #3992 \$700.00	Moving Equipment from Lincoln to Moline	
Charles H. Carter & Son, Inc. PO Box 707 Mill Shoals, IL 62862 618-896-5316	Inv #400423924 \$2,128.37; #400423923 \$1,080.00; #400224016 \$1,816.29 = \$5,024.66	
Suburban Laboratories, Inc. 1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134 708-544-3260	Lab Analysis Inv #112503	\$1,983.10
Upper Rock Island Landfill PO Box 99793 Chicago, Illinois 60696-7593 309-496-2396	Inv #12952 \$2,122.00; #12988 \$17,154.00-\$19,276.00	
Riverstone Group, Inc. 1701 5th Avenue Moline, Illinois 61265-7900 800-906-2489	Inv #503262 \$9,397.23; #513616 \$3,462.21=\$12,859.44	
Subtotal		\$1,983.10
Handling Charge		\$672.47
Total Subcontract Cost		\$2,655.57

**UNDERGROUND STORAGE TANK PROGRAM
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

The IEPA is required to report State and Federal Funds paid to Women's Business Enterprises (WBE) and to Minority Business Enterprises (MBE). Therefore, please provide the required information for all Prime Consultants/Contractors and Subcontractors used to perform the work for this billing.

Name of LUST Site: **Aman Food & Gas**

Incident Number: **2014-0247**

The work for this billing was performed from:

5/1/2014

to:

5/31/2014

Prime Consultants and/or Contractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
CW ² M Company, Inc. 701 South Grand Avenue West Springfield, Illinois 62704 (217) 522-8001	NO	N/A	\$68,544.05
Billing Subtotal			\$68,544.05

Subcontractors:

Suburban Laboratories, Inc. 1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134 708-544-3260	NO	N/A	\$1,983.10
Windish Trucking 5610 N. Townhouse Road Brimfield, IL 61517	NO	N/A	
Charles H. Carter & Son, Inc. PO Box 707 Mill Shoals, Illinois 62862 618-896-5316	NO	N/A	
Upper Rock Island Landfill PO Box 99793 Chicago, Illinois 60696-7593 309-496-2396	NO	N/A	
Riverstone Group, Inc. 1701 5th Avenue Moline, Illinois 61265-7900 800-906-2489			

BILLING TOTAL	\$70,527.15
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**If the firm is a WBE, place the term WBE in the space provided. If the firm is a MBE, place the term MBE in the space provided. If the firm is neither a WBE nor MBE, place the word NO in the space provided.

WBE: 5/14

UNDERGROUND STORAGE TANK PROGRAM

**Request for Payment of UST Corrective Action Costs
Summary Sheet for All Charges in this Billing Package**

The owner/operator or their representative shall complete this form and place it in the front of the billing package.
All charges in this billing shall be summarized on this form

**Aman Food & Gas
1830 5th Avenue, Moline, IL
2014-0247**

PAYMENT ITEM	TOTAL PAYMENT REQUESTED	
PERSONNEL	\$1,786.20 +PD:	\$0.00
EQUIPMENT		\$0.00
MATERIALS AND EXPENDABLES (Stock Items)		\$1.20
MATERIALS AND EXPENDABLES (Employee Mileage)		\$0.00
MATERIALS AND EXPENDABLES (Field Purchases)	\$0.00 +HC:	\$0.00
SUBCONTRACTORS	\$0.00 +HC:	\$0.00
TOTAL PAYMENT REQUESTED		\$1,787.40

TPR:6/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: June 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>	
<u>Monday, June 02, 2014</u>								
	Smith, V.E.	Engineer III 7/1/2013	1 EA-Reimb	\$119.08	0.25	\$29.77	\$0.00	
<u>Tuesday, June 03, 2014</u>								
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	3.50	\$416.78	\$0.00	
<u>Thursday, June 05, 2014</u>								
	Sinnott, W.T.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	2.50	\$297.70	\$0.00	
<u>Friday, June 06, 2014</u>								
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.50	\$59.54	\$0.00	
	Smith, V.E.	Engineer III 7/1/2013	1 EA-Reimb	\$119.08	0.50	\$59.54	\$0.00	
<u>Monday, June 09, 2014</u>								
	Navarro, H.J.	Senior Administrative Assistan	1 EA-Reimb	\$53.60	0.00	\$0.00	\$1.20	
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	1.00	\$119.08	\$0.00	
<u>Thursday, June 12, 2014</u>								
	Smith, V.E.	Engineer III 7/1/2013	1 EA-Reimb	\$119.08	0.25	\$29.77	\$0.00	
<u>Friday, June 13, 2014</u>								
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	0.25	\$29.77	\$0.00	
<u>Tuesday, June 17, 2014</u>								
	Sinnott, W.T.	Senior Project Manager 7/1/20	1 EA-Reimb	\$119.08	6.00	\$714.48	\$0.00	
<u>Thursday, June 19, 2014</u>								
	Smith, V.E.	Engineer III 7/1/2013	1 EA-Reimb	\$119.08	0.25	\$29.77	\$0.00	
					Line Item Totals:	15.00	\$1,786.20	\$1.20

Total project charges for month: \$1,787.40

000251

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

June 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
Navarro, H.J.	Senior Administrative Assistant I EA-Reimb	\$53.60	0.00	\$0.00
		Navarro, H.J. Total:	0.00	\$0.00
Rowe, C.L.	Senior Project Manager 7/1/20 1 EA-Reimb	\$119.08	5.25	\$625.17
		Rowe, C.L. Total:	5.25	\$625.17
Sinnott, W.T.	Senior Project Manager 7/1/20 1 EA-Reimb	\$119.08	8.50	\$1,012.18
		Sinnott, W.T. Total:	8.50	\$1,012.18
Smith, V.E.	Engineer III 7/1/2013 1 EA-Reimb	\$119.08	1.25	\$148.85
		Smith, V.E. Total:	1.25	\$148.85
Project Totals:			15.00	\$1,786.20

CW M Company

400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238

701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

June 2014

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
June 9, 2014	Copies	UST Fund Reimb Claim/Supp Doc	1 EA-Reimb	8.00	\$0.150	\$1.20	<input type="checkbox"/>
Phase Total:						\$1.20	

000253

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS
PERSONNEL SUMMARY SHEET**

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 6/1/2014
To: 6/30/2014

Employee	Work Classification	ST/OT	Rate (\$/Hr)	Total
W.T. Sinnott	Senior Project Manager	8.50	\$119.08	\$1,012.18
W.L. Sinnott	Senior Account Technician		\$61.16	\$0.00
	Project Manager		\$105.28	\$0.00
R. Haas	Senior Account Technician		\$66.80	\$0.00
R. Haas	Senior Administrative Assistant		\$53.60	\$0.00
C.L. Rowe	Senior Project Manager	5.25	\$119.08	\$625.17
M.D. Rives	Engineer I		\$83.40	\$0.00
				\$0.00
V.E. Smith	Senior Professional Engineer		\$157.92	\$0.00
V.E. Smith	Engineer III	1.25	\$119.08	\$148.85
V.E. Smith				\$0.00
R.J. Stanley	Professional Geologist		\$104.36	\$0.00
	Senior Draftsperson/CAD		\$66.72	\$0.00
			\$113.44	\$0.00
			\$68.04	\$0.00
B.M. Walwer	Engineer I		\$89.32	\$0.00
B.M. Walwer	Draftsperson/CAD III		\$59.52	\$0.00
H.J. Navarro	Senior Administrative Assistant		\$53.60	\$0.00
Total Personnel				\$1,786.20

	No. of Man-Days	Rate Per Day	TOTAL
Per Diem		\$39.00	\$0.00

Pers:6/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 6/1/2014
To: 6/7/2014

		SUN 1		MON 2		TUE 3		WED 4		THU 5		FRI 6		SAT 7		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott	Reimbursement Oversight/Coordination															2.50
Sen. Proj. Manager										2.50						
R. Haas																0.00
Sr Acct Tech																0.00
Engineer I																
C.L. Rowe	Reimbursement Oversight/Coordination															4.00
Sen. Proj. Manager						3.50						0.50				
R.J. Stanley																0.00
Prof. Geologist																
V.E. Smith	Reimbursement Preparation															0.75
Engineer III				0.25								0.50				
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer																0.00
Engineer I																
																0.00
Project Manager																
																Total # of Pers.
	Per Diem # of Persons															

Pw:6/1/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 6/8/2014
To: 6/14/2014

		SUN 8		MON 9		TUE 10		WED 11		THU 12		FRI 13		SAT 14		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
M. D. Rives																0.00
R. Haas																0.00
Sr Acct Tech																
C.L. Rowe	Reimbursement Oversight/ Coordination															1.25
Sen. Proj. Manager				1.00								0.25				
V.E. Smith																0.00
Sr. Prof. Eng.																
V.E. Smith	Reimbursement Preparation															0.25
Engineer III										0.25						0.00
Sr. Dftspn/CAD																0.00
Engineer III																0.00
H.J. Navarro																0.00
Sr. Admin. Asst.																
																Total # of Pers.
Per Diem # of Persons																

Pw:6/8/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 6/15/2014
To: 6/21/2014

		SUN 15		MON 16		TUE 17		WED 18		THU 19		FRI 20		SAT 21		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott	Reimbursement Oversight/ Coordination															6.00
Sen. Proj. Manager						6.00										
R. Haas																0.00
Sr Acct Tech																0.00
Scientist I																0.00
C.L. Rowe																0.00
Sen. Proj. Manager																0.00
V.E. Smith																0.00
Sr. Prof. Eng.																0.25
V.E. Smith	Reimbursement Preparation															0.25
Engineer III										0.25						0.00
B.M. Walwer																0.00
Dftspsn/CAD III																0.00
B.M. Walwer																0.00
Engineer I																0.00
R. Haas																0.00
Sr. Admin. Asst.																
																Total # of Pers.
	Per Diem # of Persons															

Pw:8/10/14

**UNDERGROUND STORAGE TANK PROGRAM
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

The IEPA is required to report State and Federal Funds paid to Women's Business Enterprises (WBE) and to Minority Business Enterprises (MBE). Therefore, please provide the required information for all Prime Consultants/Contractors and Subcontractors used to perform the work for this billing.

Name of LUST Site: **Aman Food & Gas**

Incident Number: **2014-0247**

The work for this billing was performed from:

6/1/2014

to:

6/30/2014

Prime Consultants and/or Contractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
CW ³ M Company, Inc. 701 South Grand Avenue West Springfield, Illinois 62704 (217) 522-8001	NO	N/A	\$1,787.40
Billing Subtotal			\$1,787.40

Subcontractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
	NO	N/A	

BILLING TOTAL	\$1,787.40
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**If the firm is a WBE, place the term WBE in the space provided. If the firm is a MBE, place the term MBE in the space provided. If the firm is neither a WBE nor MBE, place the word NO in the space provided.

WBE: 6/14

UNDERGROUND STORAGE TANK PROGRAM

**Request for Payment of UST Corrective Action Costs
Summary Sheet for All Charges in this Billing Package**

The owner/operator or their representative shall complete this form and place it in the front of the billing package.
All charges in this billing shall be summarized on this form

**Aman Food & Gas
1830 5th Avenue, Moline, IL
2014-0247**

PAYMENT ITEM	TOTAL PAYMENT REQUESTED	
PERSONNEL	\$212.59 +PD:	\$0.00
EQUIPMENT		\$0.00
MATERIALS AND EXPENDABLES (Stock Items)		\$0.48
MATERIALS AND EXPENDABLES (Employee Mileage)		\$0.00
MATERIALS AND EXPENDABLES (Field Purchases)	\$0.00 +HC:	\$0.00
SUBCONTRACTORS	\$4,329.05 +HC:	\$0.00
TOTAL PAYMENT REQUESTED		\$4,542.12

TPR:7/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: July 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Wednesday, July 23, 2014</u>							
	Navarro, H.J.	Senior Administrative Assistan	1 EA-Reimb	\$54.64	0.00	\$0.00	\$0.48
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$121.48	0.50	\$60.74	\$0.00
<u>Thursday, July 24, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$121.48	1.25	\$151.85	\$0.00
Line Item Totals:					1.75	\$212.59	\$0.48

Total project charges for month:	\$213.07
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000261

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

July 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
Navarro, H.J.	Senior Administrative Assistant 1 EA-Reimb	\$54.64	0.00	\$0.00
		Navarro, H.J. Total:	0.00	\$0.00
Rowe, C.L.	Senior Project Manager 7/1/20 1 EA-Reimb	\$121.48	1.75	\$212.59
		Rowe, C.L. Total:	1.75	\$212.59
Project Totals:			1.75	\$212.59

CW M Company

400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238

701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

Project Expenses for: Aman Food & Gas 2014-0247

July 2014

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
July 23, 2014	Postage	EA Invoices	1 EA-Reimb	0.48	\$1.000	\$0.48	<input type="checkbox"/>
Phase Total:						\$0.48	

000263

Concrete Replacement Calculations:

From Illowa Invoice 803:

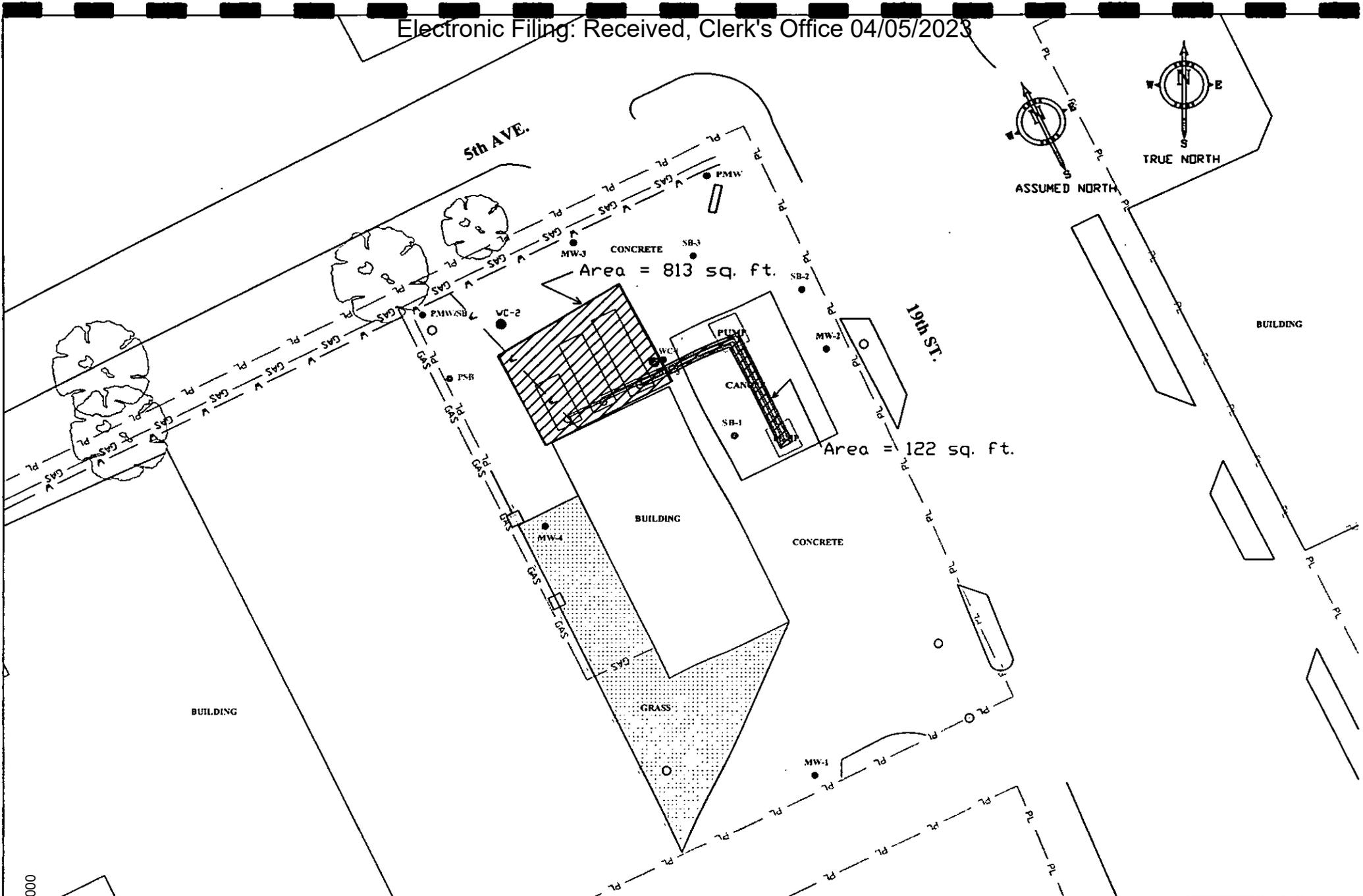
3000 sq.ft.	54 C.Y. of concrete	
Thickness:	= (54 CY) * (27 CF/CY)	1458 CF of concrete
	= 1458 CF / 3000 SF	0.486 Thickness in feet
		5.832 Thickness in inches
Cost per SF:	= \$14,250 / 3,000	\$4.75

Allowable for 5 inch thickness \$4.63 / SF

Area removed for tanks in Early Action	813 SF
Area removed for piping in Early Action	<u>122 SF</u>
	935 SF

Allowable reimbursement:

935 SF	X	\$4.63	/ SF	=	\$4,329.05
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000365
 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

EARLY ACTION
 CONCRETE
 REPLACEMENT MAP

DATE: 1/9/2015
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0004A

DRAWN BY: VES
 REVISED BY:
 REVIEWED BY: CLR
 EACONC.DWG

Jeff R. Fry Corporation

4713 West High St.
Colona, IL 61241

INVOICE

Invoice Number: 803
Invoice Date: Jul 22, 2014
Page: 1
Duplicate

Voice:
Fax:

Bill To:
ILLOWA
2703 4th ave
Moline, IL 61265

Ship to:
ILLOWA
2703 4th ave
Moline, IL 61265

Customer ID ILLOWA	Customer PO	Payment Terms Net 14 Days	
Sales Rep ID	Shipping Method Airborne	Ship Date	Due Date 8/5/14

Quantity	Item	Description	Unit Price	Amount
		3000 sq. ft. concrete parking area at gas station 54 yards at \$110.00 per yard		5,940.00
		Labor for concrete placement and finish		8,310.00
<p>APPROVED <u>CLS</u> VENDOR # <u>5114</u> MONTH <u>1308</u> ACCT <u>AMSC</u> BY <u>mtc</u> INFO1</p>				
Subtotal				14,250.00
Sales Tax				
Total Invoice Amount				14,250.00
Payment/Credit Applied				
TOTAL				14,250.00

Check/Credit Memo No:

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS
PERSONNEL SUMMARY SHEET**

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 7/1/2014
To: 7/31/2014

Employee	Work Classification	ST/OT	Rate (\$/Hr)	Total
W.T. Sinnott	Senior Project Manager		\$121.48	\$0.00
W.L. Sinnott	Senior Account Technician		\$61.16	\$0.00
	Project Manager		\$105.28	\$0.00
R. Haas	Senior Account Technician		\$66.80	\$0.00
R. Haas	Senior Administrative Assistant		\$53.60	\$0.00
C.L. Rowe	Senior Project Manager	1.75	\$121.48	\$212.59
M.D. Rives	Engineer I		\$83.40	\$0.00
				\$0.00
V.E. Smith	Senior Professional Engineer		\$157.92	\$0.00
V.E. Smith	Engineer III		\$121.48	\$0.00
V.E. Smith				\$0.00
R.J. Stanley	Professional Geologist		\$104.36	\$0.00
	Senior Draftsperson/CAD		\$66.72	\$0.00
			\$113.44	\$0.00
			\$68.04	\$0.00
B.M. Walwer	Engineer I		\$89.32	\$0.00
B.M. Walwer	Draftsperson/CAD III		\$59.52	\$0.00
H.J. Navarro	Senior Administrative Assistant		\$54.64	\$0.00
Total Personnel				\$212.59

	No. of Man-Days	Rate Per Day	TOTAL
Per Diem		\$39.00	\$0.00

Pers:7/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 7/20/2014
To: 7/26/2014

		SUN 20		MON 21		TUE 22		WED 23		THU 24		FRI 25		SAT 26		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sr Project Mgr																
V.E. Smith																0.00
Sr Prof Engr																
R. Haas																0.00
Sr Acct Tech																
C.L. Rowe	Reimbursement Oversight/ Coordination															1.75
Sen. Proj. Manager								0.50		1.25						
V.E. Smith																0.00
Engineer III																
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer																0.00
Engineer I																
B.M. Walwer																0.00
Dftspn/CAD III																
H.J. Navarro																0.00
Sr Admin Asst																
																Total # of Pers.
	Per Diem # of Persons															

Pw:7/20/14

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS**

SUBCONTRACTORS

Job Name: Aman Food & Gas	Billing Period
Contractor: CW ³ M Company, Inc.	From: 9/1/2012
	To: 7/31/2014

Subcontractors Name	Work Description	Subcontract Amount
Jeff R. Fry Corporation 4713 West High Street Colona, IL 61241 Inv #803	Concrete replacement Invoice amount \$14,250.00 Reimbursible amount \$4,329.05	\$4,329.05

Subtotal	\$4,329.05
Handling Charge	
Total Subcontract Cost	\$4,329.05

**UNDERGROUND STORAGE TANK PROGRAM
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

The IEPA is required to report State and Federal Funds paid to Women's Business Enterprises (WBE) and to Minority Business Enterprises (MBE). Therefore, please provide the required information for all Prime Consultants/Contractors and Subcontractors used to perform the work for this billing.

Name of LUST Site: **Aman Food & Gas**

Incident Number: **2014-0247**

The work for this billing was performed from:

7/1/2014

to:

7/31/2014

Prime Consultants and/or Contractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
CW ³ M Company, Inc. 701 South Grand Avenue West Springfield, Illinois 62704 (217) 522-8001	NO	N/A	\$213.07
Billing Subtotal			\$213.07

Subcontractors:

Jeff R. Fry Corporation 4713 West High Street Colona, IL 61241	NO	N/A	\$4,329.05
	NO	N/A	
	NO	N/A	
	NO	N/A	

BILLING TOTAL	\$4,542.12
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**If the firm is a WBE, place the term WBE in the space provided. If the firm is a MBE, place the term MBE in the space provided. If the firm is neither a WBE nor MBE, place the word NO in the space provided.

WBE: 7/14

UNDERGROUND STORAGE TANK PROGRAM

**Request for Payment of UST Corrective Action Costs
Summary Sheet for All Charges in this Billing Package**

The owner/operator or their representative shall complete this form and place it in the front of the billing package.
All charges in this billing shall be summarized on this form

**Aman Food & Gas
1830 5th Avenue, Moline, IL
2014-0247**

PAYMENT ITEM	TOTAL PAYMENT REQUESTED
PERSONNEL	\$3,805.00 +PD: \$0.00
EQUIPMENT	\$0.00
MATERIALS AND EXPENDABLES (Stock Items)	\$170.35
MATERIALS AND EXPENDABLES (Employee Mileage)	\$0.00
MATERIALS AND EXPENDABLES (Field Purchases)	\$0.00 +HC: \$0.00
SUBCONTRACTORS	\$0.00 +HC: \$0.00
TOTAL PAYMENT REQUESTED	\$3,975.35

TPR:12/14

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: December 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
<u>Monday, December 01, 2014</u>							
	Smith, V.E.	Engineer III 7/1/2014	1 EA-Reimb	\$121.48	2.50	\$303.70	\$0.00
<u>Tuesday, December 02, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$121.48	1.75	\$212.59	\$0.00
	Smith, V.E.	Engineer III 7/1/2014	1 EA-Reimb	\$121.48	2.75	\$334.07	\$0.00
<u>Wednesday, December 03, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	5.75	\$384.10	\$13.20
<u>Thursday, December 04, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	3.00	\$200.40	\$0.00
<u>Friday, December 05, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	2.75	\$183.70	\$0.00
<u>Monday, December 08, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	3.25	\$217.10	\$15.75
<u>Tuesday, December 09, 2014</u>							
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$121.48	1.50	\$182.22	\$0.00
<u>Wednesday, December 10, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	1.50	\$100.20	\$0.00
<u>Thursday, December 11, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	1.25	\$83.50	\$0.00
<u>Friday, December 12, 2014</u>							
	Haas, R.	Sr. Acct. Technician 7/1/2014	1 EA-Reimb	\$66.80	0.75	\$50.10	\$42.80
	Rowe, C.L.	Senior Project Manager 7/1/20	1 EA-Reimb	\$121.48	1.25	\$151.85	\$0.00
<u>Monday, December 15, 2014</u>							

Environmental Consulting Services

Project Work Summary for: Aman Food & Gas 2014-0247

For the Month of: December 2014

<u>Date of Work</u>	<u>Employee</u>	<u>Position</u>	<u>Type of Work</u>	<u>Hourly Rate</u>	<u>Hours Worked</u>	<u>Labor Subtotal</u>	<u>Expenses</u>
	Smith, V.E.	Senior Professional Engineer	7/ 1 EA-Reimb	\$157.92	2.25	\$355.32	\$0.00
<u>Tuesday, December 16, 2014</u>							
	Haas, R.	Sr. Acct. Technician	7/1/2014 1 EA-Reimb	\$66.80	1.00	\$66.80	\$0.00
	Smith, V.E.	Senior Professional Engineer	7/ 1 EA-Reimb	\$157.92	2.75	\$434.28	\$0.00
<u>Monday, December 29, 2014</u>							
	Sinnott, W.T.	Senior Project Manager	7/1/20 1 EA-Reimb	\$121.48	3.25	\$394.81	\$0.00
<u>Tuesday, December 30, 2014</u>							
	Haas, R.	Senior Administrative Assistan	1 EA-Reimb	\$54.64	2.75	\$150.26	\$98.60
Line Item Totals:					40.00	\$3,805.00	\$170.35
Total project charges for month:						\$3,975.35	

000274

Environmental Consulting Services

Work Summary for Aman Food & Gas 2014-0247

December 2014

Employee	Position	Hourly Rate	Hours Worked	Labor Subtotal
Haas, R.	Senior Administrative Assistant 1 EA-Reimb	\$54.64	2.75	\$150.26
	Sr. Acct. Technician 7/1/2014 1 EA-Reimb	\$66.80	19.25	\$1,285.90
		Haas, R. Total:	22.00	\$1,436.16
Rowe, C.L.	Senior Project Manager 7/1/20 1 EA-Reimb	\$121.48	4.50	\$546.66
			Rowe, C.L. Total:	4.50	$546.66
Sinnott, W.T.	Senior Project Manager 7/1/20 1 EA-Reimb	\$121.48	3.25	\$394.81
			Sinnott, W.T. Total:	3.25	$394.81
Smith, V.E.	Engineer III 7/1/2014 1 EA-Reimb	\$121.48	5.25	\$637.77
	Senior Professional Engineer 7/1 EA-Reimb	\$157.92	5.00	\$789.60
		Smith, V.E. Total:	10.25	\$1,427.37
Project Totals:			40.00	\$3,805.00

CW M Company400 W. Jackson Street, Suite C
Marion, IL 62959
618/997-2238701 W. South Grand
Springfield, IL 62704
217/522-8001

Environmental Consulting Services

*Project Expenses for: Aman Food & Gas 2014-0247***December 2014**

Date	Description of Expense	Comment	Phase Code	Quantity	Rate	Expenditure	Field Purchase
December 3, 2014	Copies	UST Fund Reimb Claim/Supp Doc	1 EA-Reimb	88.00	\$0.150	\$13.20	<input type="checkbox"/>
December 8, 2014	Copies	UST Fund Reimb Claim/Supp Doc	1 EA-Reimb	105.00	\$0.150	\$15.75	<input type="checkbox"/>
December 12, 2014	Postage	IEPA UST Fund Reimb Claim Forms/Draft	1 EA-Reimb	3.80	\$1.000	\$3.80	<input type="checkbox"/>
December 12, 2014	Copies	UST Fund Reimb Claim/Draft/Forms	1 EA-Reimb	260.00	\$0.150	\$39.00	<input type="checkbox"/>
December 30, 2014	Postage	IEPA UST Fund Reimb	1 EA-Reimb	11.60	\$1.000	\$11.60	<input type="checkbox"/>
December 30, 2014	Copies	UST Fund Reimb Claim/Supp Doc	1 EA-Reimb	580.00	\$0.150	\$87.00	<input type="checkbox"/>
Phase Total:						\$170.35	

000276

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REIMBURSEMENT FOR UST CORRECTIVE ACTION COSTS
PERSONNEL SUMMARY SHEET**

Job Name: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 12/1/2014
To: 12/31/2014

Employee	Work Classification	ST/OT	Rate (\$/Hr)	Total
W.T. Sinnott	Senior Project Manager	3.25	\$121.48	\$394.81
W.L. Sinnott	Senior Account Technician		\$61.16	\$0.00
	Project Manager		\$105.28	\$0.00
R. Haas	Senior Account Technician	19.25	\$66.80	\$1,285.90
R. Haas	Senior Administrative Assistant	2.75	\$54.64	\$150.26
C.L. Rowe	Senior Project Manager	4.50	\$121.48	\$546.66
M.D. Rives	Engineer I		\$83.40	\$0.00
				\$0.00
V.E. Smith	Senior Professional Engineer	5.00	\$157.92	\$789.60
V.E. Smith	Engineer III	5.25	\$121.48	\$637.77
V.E. Smith				\$0.00
R.J. Stanley	Professional Geologist		\$104.36	\$0.00
	Senior Draftsperson/CAD		\$66.72	\$0.00
			\$113.44	\$0.00
			\$68.04	\$0.00
	Engineer I		\$89.32	\$0.00
	Draftsperson/CAD III		\$59.52	\$0.00
	Senior Administrative Assistant		\$54.64	\$0.00
Total Personnel				\$3,805.00

	No. of Man-Days	Rate Per Day	TOTAL
Per Diem		\$39.00	\$0.00

Pers:12/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 12/1/2014
To: 12/6/2014

		SUN		MON 1		TUE 2		WED 3		THU 4		FRI 5		SAT 6		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas	Reimbursement Preparation															11.50
Sr Acct Tech								5.75		3.00		2.75				0.00
Engineer I																
C.L. Rowe	Reimbursement Oversight/ Coordination															1.75
Sen. Proj. Manager						1.75										
R.J. Stanley																0.00
Prof. Geologist																
V.E. Smith	Reimbursement Preparation															5.25
Engineer III				2.50		2.75										0.00
V.E. Smith																0.00
Sr Prof Engr																
B.M. Walwer																0.00
Engineer I																
																0.00
Project Manager																
																Total # of Pers.
	Per Diem # of Persons															

Pw:12/1/14

**UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL**

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 12/7/2014
To: 12/13/2014

		SUN 7		MON 8		TUE 9		WED 10		THU 11		FRI 12		SAT 13		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
M. D. Rives																0.00
R. Haas	Reimbursement Preparation															6.75
Sr Acct Tech				3.25				1.50		1.25		0.75				
C.L. Rowe	Reimbursement Oversight/ Coordination															2.75
Sen. Proj. Manager						1.50						1.25				
V.E. Smith																0.00
Sr. Prof. Eng.																
V.E. Smith																0.00
Engineer III																0.00
Sr. Dftspn/CAD																0.00
Engineer III																0.00
Sr. Admin. Asst.																
Per Diem # of Persons																Total # of Pers.

Pw:12/7/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 12/14/2014
To: 12/20/2014

		SUN 14		MON 15		TUE 16		WED 17		THU 18		FRI 19		SAT 20		TOTAL HRS
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott																0.00
Sen. Proj. Manager																
R. Haas	Reimbursement Preparation															1.00
Sr Acct Tech						1.00										0.00
Scientist I																
C.L. Rowe																0.00
Sen. Proj. Manager																
V.E. Smith	PE Review & Certification															5.00
Sr. Prof. Eng.				2.25		2.75										
V.E. Smith	Reimbursement Preparation															0.00
Engineer III																0.00
Dftspn/CAD III																0.00
Engineer I																
R. Haas																0.00
Sr. Admin. Asst.																
																Total # of Pers.
	Per Diem # of Persons															

Pw:12/14/14

UNDERGROUND STORAGE TANK PROGRAM
Request for Payment of UST Corrective Action Costs
WEEKLY WORK SHEET
PERSONNEL

Job: Aman Food & Gas
Contractor: CW³M Company, Inc.

Billing Period
From: 12/28/2014
To: 12/31/2014

		SUN 28		MON 29		TUE 30		WED 31		THU		FRI		SAT		TOTAL
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	st
Employee	Type of Work Performed	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	st	ot	
W.T. Sinnott	Reimbursement Oversight/ Coordination															3.25
Sen. Proj. Manager				3.25												0.00
Sr Admin Asst																0.00
R. Haas																0.00
Sr Acct Tech																0.00
C.L. Rowe																0.00
Sen. Proj. Manager																0.00
R.J. Stanley																0.00
Prof. Geologist																0.00
V.E. Smith																0.00
Engineer III																0.00
V.E. Smith																0.00
Sr Prof Engr																0.00
Dftspsn/CAD III																0.00
R. Haas	Reimbursement Preparation															2.75
Sr Admin Asst						2.75										
																Total # of Pers.
Per Diem # of Persons																

Pw:12/28/14

**UNDERGROUND STORAGE TANK PROGRAM
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

The IEPA is required to report State and Federal Funds paid to Women's Business Enterprises (WBE) and to Minority Business Enterprises (MBE). Therefore, please provide the required information for all Prime Consultants/Contractors and Subcontractors used to perform the work for this billing.

Name of LUST Site: **Aman Food & Gas**

Incident Number: **2014-0247**

The work for this billing was performed from:

12/1/2014

to:

12/31/2014

Prime Consultants and/or Contractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
CW ³ M Company, Inc. 701 South Grand Avenue West Springfield, Illinois 62704 (217) 522-8001	NO	N/A	\$3,975.35
Billing Subtotal			\$3,975.35

Subcontractors:

FIRM'S NAME, ADDRESS AND TELEPHONE NUMBER	IS THIS FIRM A WBE/MBE	IF YES, WHAT IS THEIR STATE OF ILLINOIS VENDOR NUMBER	AMOUNT PAID DUE THIS BILLING
	NO	N/A	

BILLING TOTAL	\$3,975.35
----------------------	-------------------

**If the firm is a WBE, place the term WBE in the space provided. If the firm is a MBE, place the term MBE in the space provided. If the firm is neither a WBE nor MBE, place the word NO in the space provided.

WBE: 12/14



Office of the Illinois
State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"

CERTIFIED MAIL - RECEIPT REQUESTED #7014 1820 0001 3148 5009

January 8, 2015

Jeet Singh
c/o CW3M Company
P.O. Box 571
Carlinville, IL 62626

In Re: Facility No. 3-008580
IEMA Incident No. 14-0247
Aman Food & Gas
1830 5th Avenue
Moline, Rock Island Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on November 17, 2014 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

It has been determined that you are eligible to seek payment of costs in excess of \$5,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 1 5,000 gallon Gasoline
Tank 2 3,000 gallon Gasoline
Tank 3 4,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government,
2. The tank does not contain fuel which is exempt from the Motor Fuel Tax Law,
3. The costs were incurred as a result of a confirmed release of any of the following substances:

"Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

Aviation fuel

Heating oil

Kerosene

Electronic Filing: Received, Clerk's Office 04/05/2023

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.
5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.
6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.
7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.504(b)).

For information regarding the filing of an appeal, please contact:

Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620

The following tanks are also listed for this site:

Tank 4 4,000 gallon Gasoline
Tank 5 6,000 gallon Gasoline

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,



Deanne Lock
Administrative Assistant
Division of Petroleum and Chemical Safety

cc: IEPA
CW3M Company

Private Insurance Affidavit

I, MR. JEET SINGH, a duly authorized representative of Aman Food & Gas (owner/operator or firm's name)

hereby certify that Aman Food & Gas (owner/operator or firm's name) (does, does not) does not have private (choose one)

insurance coverage for all or part of the costs related to claim for payment of Aman Food & Gas (owner or firm's name)

investigation or remediation costs for work performed at Aman Food & Gas located at (site name) 1830 5th Avenue, Moline, Illinois 61265 (address)

I, Balbir Kaur (name), Representative (title) of Aman Food & Gas (owner/operator or firm's name)

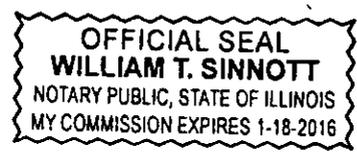
certify that, as of this date, the above information is accurate and complete. Furthermore, I also agree to reimburse the Illinois EPA for any overpayment made by my private insurance company in excess of the deductible amount for each site.

Owner/Operator: Aman Food & Gas Title: Representative

Signature: [Handwritten Signature] Date: 7/24/14

Subscribed and sworn to before me the 24th day of July 2014

[Handwritten Signature] Seal: (Notary Public)



The Illinois EPA is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder. This form has been approved by the Forms Management Center.

Private Insurance Coverage Questionnaire

This form must be completed in full by all owners or operators, or their authorized representatives, that have a claim for payment from the State of Illinois Underground Storage Tank Fund for the labor, materials, overhead, and profit costs related to the investigation and/or remediation of a Leaking UST site.

1. Site Name: Aman Food & Gas
Address: 1830 5th Avenue
City: Moline State: Illinois Zip: 61265

2. Name of insurance company providing coverage for this Leaking UST site:
N/A

3. Amount of coverage provided: \$.00

4. Have you or your firm filed a claim against your insurance company for this Leaking UST site?
Yes No
a. If yes, how much is the claim? \$.00
b. If no, explain why. No insurance

5. Have you or your firm received payment for a claim against your insurance company for this Leaking UST site?
Yes No
a. If yes, how much and when? \$.00
Date: N/A
b. If no, explain why. No insurance

6. Are you going to file a claim against your insurance policy?
Yes No
a. If yes, how much and when? \$.00
Date: N/A
b. If no, explain why. No insurance

This Illinois EPA is authorized to request this information under the Environmental Protection Act, 415 ILCS 5/1 et seq. (formerly Ill. Rev. Stat. Ch 111-1/2, 1001 et seq.). Disclosure of this information is required. Failure to properly complete this form in its entirety may result in the delay or denial of any payment requested hereunder. This form has been approved by the Forms Management Center.

Form **W-9**
(Rev. January 2011)
Department of the Treasury
Internal Revenue Service

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Name (as shown on your income tax return)
Jeet Singh

Business name/disregarded entity name, if different from above
Aman Food & Gas

Check appropriate box for federal tax classification (required):
 Individual/sole proprietor
 C Corporation
 S Corporation
 Partnership
 Trust/estate
 Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____
 Other (see instructions) ▶ _____

Address (number, street, and apt. or suite no.)
P.O. Box 571

City, state, and ZIP code
Carlinville, IL 62626

List account number(s) here (optional)

Requester's name and address (optional)

Print or type
See Specific Instructions on page 2.

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number


Employer identification number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here Signature of U.S. person ▶  Date ▶ **7/24/14**

General Instructions:
Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form
A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

CW^M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001

1610455194 – Rock Island County

Aman Food and Gas

Incident # 20140247

Leaking UST Technical File

November 12, 2018

Mr. Eric Kuhlman, Project Manager
LUST Section, Bureau of Land
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

RECEIVED

NOV 13 2018

IEPA-BOL
PERMIT SECTION

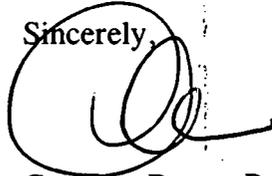
RE: LPC # 1610455194 — Rock Island County
Aman Food and Gas
1830 5th Avenue
Moline, Illinois
Incident Number: 2014-0247
LUST Technical Reports—Site Investigation Completion Report

Dear Mr. Kuhlman:

On behalf of Aman Food and Gas, owner of the USTs at the above-referenced site, we are submitting the attached Site Investigation Completion Report (SICR).

If you have any questions or require additional information, please contact Mr. Matt Saladino or me at (217) 522-8001.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW^M Company, Inc.*

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

APR 22 2019

REVIEWER: SAB

SITE INVESTIGATION COMPLETION REPORT

RECEIVED

NOV 13 2018

IEPA-BOL
PERMIT SECTION

AMAN FOOD AND GAS

Moline, Illinois
LPC # 1610455194 — Rock Island County
Incident Number 2014-0247

Submitted to:

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Section, Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois

Prepared By:

CW³M COMPANY, INC.

701 West South Grand Ave.
Springfield, Illinois
(217) 522-8001

400 West Jackson St., Suite C
Marion, Illinois
(618) 997-2238

NOVEMBER 2018

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

APR 22 2019

REVIEWER: SAB

CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

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NOV 13 2018

CONTENTS

**IEPA-BOL
PERMIT SECTION**

APPENDICES iii

TABLES..... iii

ACRONYMS AND ABBREVIATIONS iv

1. SITE HISTORY/EXECUTIVE SUMMARY 1

 1.1 GENERAL 1

 1.2 SITE LOCATION 1

 1.3 TANK REMOVAL ACTIVITIES 2

 1.4 EARLY ACTION SUMMARY 2

2. SITE CHARACTERIZATION 3

 2.1 NATURE AND QUANTITY OF RELEASE 3

 2.2 CURRENT AND PROJECTED POST-REMEDATION USES 3

 2.3 WATER QUALITY 3

 2.4 WELL DATA 3

 2.5 PHYSICAL SETTING 4

3. SITE INVESTIGATION 5

 3.1 DRILLING METHOD 5

 3.2 SOIL SAMPLING PROTOCOL 5

 3.3 MONITORING WELL INSTALLATION PROTOCOL 5

 3.4 GROUNDWATER SAMPLING PROTOCOL 6

 3.5 DESCRIPTION OF ACTIVITIES COMPLETED 6

 3.5.1 First Round of Sampling 6

 3.5.2 Second Round of Sampling 7

 3.5.3 Off-site Access Activities 7

4. DEVELOPMENT OF REMEDIATION OBJECTIVES 10

 4.1 GROUNDWATER REMEDIATION OBJECTIVES 10

 4.2 SOIL REMEDIATION OBJECTIVES 10

 4.3 HYDRAULIC CONDUCTIVITY TESTING 11

5. ANALYTICAL OBJECTIVES AND RESULTS 12

 5.1 SOIL ANALYTICAL RESULTS 12

 5.2 GROUNDWATER ANALYTICAL RESULTS 12

 5.3 GROUNDWATER FLOW DIRECTION 12

6. SITE MAPS 13

7. CONCLUSIONS AND RECOMMENDATIONS 13

 7.1 CONCLUSIONS 13

 7.2 RECOMMENDATIONS 13

8. REFERENCES 14

CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

APPENDICES

APPENDIX A	Site Investigation Completion Report Form
APPENDIX B	Site Maps and Illustrations
APPENDIX C	Illinois Office of the State Fire Marshal Eligibility Determination
APPENDIX D	Boring Logs and Well Completion Reports
APPENDIX E	Analytical Results
APPENDIX F	Hydraulic Conductivity Determination
APPENDIX G	Off-site Access Request Documentation

TABLES

Table 1-1. Underground Storage Tank Summary	2
Table 2-1 Water Supply Well Information.....	4
Table 4-1. Groundwater Remediation Objectives.....	10
Table 4-2. Soil Remediation Objectives.....	10

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

ACRONYMS AND ABBREVIATIONS

BETX	Benzene, Ethylbenzene, Toluene and Total Xylenes
CACR	Corrective Action Completion Report
CAP	Corrective Action Plan
CUOs	Clean Up Objectives
CW ³ M	CW ³ M Company, Inc
Ill. Adm. Code	Illinois Administrative Code
IEMA	Illinois Emergency Management Agency
IEPA	Illinois Environmental Protection Agency
ISGS	Illinois State Geological Survey
ISWS	Illinois State Water Survey
LUST	Leaking Underground Storage Tank
mg/kg	Milligrams per kilogram (parts per million)
mg/L	Milligrams per liter
mL	Milliliters
MTBE	Methyl Tert-Butyl Ether
MW	Monitoring Well
OSFM	Office of the State Fire Marshal
PID	Photoionization detector
PVC	Polyvinyl Chloride
SIP	Site Investigation Plan
SICR	Site Investigation Completion Report
SWAP	Source Water Assessment Program
TACO	Tiered Approach to Corrective Action Objectives
USTs	Underground Storage Tanks
WCRs	Well Completion Reports

CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

1. SITE HISTORY/EXECUTIVE SUMMARY

1.1 GENERAL

Mr. Jeet Singh, representing the owner of the underground storage tanks (USTs) at the Aman Food & Gas site in Moline, Illinois reported a release to the Illinois Emergency Management Agency (IEMA). Incident Number 2014-0247 was assigned to the notification on March 3, 2014. Mr. Singh and Ms. Balbir Kaur then requested CW³M Company, Inc. (CW³M) to proceed with the reporting and early action requirements in accordance with 35 Illinois Administrative Code (Ill. Adm. Code) § 734. This Site Investigation Completion Report (SICR) and Budget is being prepared in response to Incident Number 2014-0247.

The 20-Day Certification was submitted to the Illinois Environmental Protection Agency (IEPA) on March 7, 2014 (CW³M, 2014). In order to allow for the installation of new tanks which were going to be installed following UST removal, an extension of the 45-Day Reporting period was requested on April 17, 2014 (CW³M, 2014a), and approved by the IEPA on April 28, 2014 (IEPA, 2014). The 45-Day Report was submitted on May 2, 2014 (CW³M, 2014b) and approved on August 29, 2014 (IEPA, 2014a), with a 45-Day Report Addendum being submitted on June 2, 2014 (CW³M, 2014c). A Stage 2 Site Investigation Plan (SIP) and Budget was submitted to the Agency on July 23, 2015 (CW³M, 2015) and was approved, with modifications, on November 5, 2015 (IEPA, 2015). The Stage 3 SIP and Budget was submitted to the Agency on July 29, 2016 (CW³M, 2016) and was approved with modifications on January 26, 2017 (IEPA, 2017).

This SICR has been prepared in accordance with the requirements of 35 Ill. Adm. Code 734. The IEPA-prescribed SICR form is included herein as Appendix A.

1.2 SITE LOCATION

The site, known as Aman Food & Gas, is located at 1830 5th Avenue, Moline, Rock Island County, Illinois 61265. The site is located in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 32, Township 18 North of the Centralia Baseline and Range 1 West of the Fourth Principal Meridian.

CW³M Company, Inc.
 Site Investigation Completion Report
 Aman Food and Gas
 LPC #1610455194 – Incident Number 2014-0247

1.3 TANK REMOVAL ACTIVITIES

On March 3, 2014, CW³M personnel were on-site to obtain a release confirmation/waste characterization sample for potential disposal of contaminated backfill materials. CW³M personnel returned to the site on April 30, 2014 to uncover the tanks and prepare them for removal. Office of the Illinois State Fire Marshall (OSFM) Tank Specialist Jeffery Hindman and CW³M personnel were at the site to supervise the removal of the USTs on May 1, 2014. The tanks were ventilated and removed along with the product piping. A narrative of the tank removals and other early action activities was provided in the 45-Day Report Addendum (CW³M, 2014c).

Table 1-1. Underground Storage Tank Summary

Tank Number	Tank Volume (gallons)	Tank Contents	Incident Number	Release Information	Status
1	5,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
2	3,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
3	4,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
4	4,000	Gasoline	-		In Use: Installed 5/13/2014
5	6,000	Gasoline	-		In Use: Installed 5/13/2014

1.4 EARLY ACTION SUMMARY

Following IEMA notification of the release, Mr. Singh and Ms. Kaur requested that CW³M proceed with reporting requirements and early action activities in accordance with 35 Ill Adm. Code § 734.

While on site on March 3, 2014, CW³M personnel inspected the USTs and accessible components, and obtained a release confirmation/waste characterization sample. Details of the sample results were included in the 45-Day Report Addendum (CW³M, 2014c).

CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

2. SITE CHARACTERIZATION

2.1 NATURE AND QUANTITY OF RELEASE

Mr. Jeet Singh of Aman Food and Gas, owner of the USTs at the Moline, Illinois site, reported a release to the IEMA following an environmental assessment. Incident Number 2014-0247 was assigned on March 3, 2014. Tank removal occurred on May 1, 2014. The nature of the release was attributed to both overfilling and piping leaks.

2.2 CURRENT AND PROJECTED POST-REMEDATION USES

The site lies near the river front of the city of Moline at the intersection of 5th Avenue and 19th Street. The site is surrounded by light commercial properties and a large apartment complex. The Aman Food & Gas site is currently operating as a convenience store that sells fuel.

2.3 WATER QUALITY

According to the Illinois Pollution Control Board, three Class III Groundwater contributing areas exist; however, they are located in McHenry, Monroe, and St. Clair Counties in northern and western Illinois. Therefore, CW³M will consider the groundwater at this site to be Class I unless demonstrated otherwise pursuant to 35 Ill. Adm. Code § 620.210.

2.4 WELL DATA

A survey of water supply wells for the purpose of identifying and locating all community water supply wells within 2,500 feet of the UST systems and all potable water supply wells within 200 feet of the UST systems is has been conducted. The Illinois State Water Survey (ISWS), the Illinois State Geological Survey (ISGS) and the IEPA Division of Public Water Supplies were contacted via the Source Water Assessment Program (SWAP) online.

The ISGS, ISWS, and IEPA Division of Public Water Supplies were accessed online on March 13, 2014 (EPA.STATE.IL.US, 2014). The response indicated that ten ISGS wells are located within 2,500 feet of the site. The response stated that there is a groundwater ordinance for the entire City of Moline (R10083101).

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

Table 2-1. Water Supply Well Information

Well ID	Type	Distance from USTs (feet)	Setback Zone (feet)
00672	ISGS	2,429	200
00865	ISGS	1,056	200
23575	ISGS	1,848	200
23569	ISGS	2,059	200
23570	ISGS	2,059	200
23571	ISGS	2,059	200
23572	ISGS	2,429	200
23573	ISGS	2,429	200
23574	ISGS	2,429	200
00328	ISGS	475	200

2.5 PHYSICAL SETTING

The physical setting including environmental, geologic, hydrogeologic, hydrologic, geographic and topographic conditions has been described in the 45-Day Report (CW³M, 2014b). Additionally, this information is supplemented by the boring logs from all site investigations included in Appendix D of this report.

3. SITE INVESTIGATION

3.1 DRILLING METHOD

Five-foot continuous samplers have been used to advance and characterize each boring. This method was selected to minimize the likelihood of gaps in the sample column. Augers were decontaminated with a pressure steam wash between borings to prevent cross-contamination. Soil boring logs have been and will be prepared for all soil borings.

3.2 SOIL SAMPLING PROTOCOL

All samples were collected utilizing proper sampling protocol. Samplers wore new, disposable, latex gloves for each sampling event. Samples were collected at the center of each 5-foot sample core, unless conditions within the soil units warranted otherwise by odor or visual contamination. Each of the samples from the continuous sampler was screened using a photoionization detector (PID) and was placed in the appropriate laboratory-provided sampling container for laboratory analysis of benzene, ethylbenzene, toluene, and total xylenes (BETX) and methyl tert-butyl ether (MTBE). Proper sampling, decontamination and chain-of-custody procedures were employed. The sample containers were filled, labeled, and kept cool (to 6° C or below) until shipment to the laboratory. Sample descriptions were recorded on the boring log prepared for each boring. Appendix E includes a summary of all analytical results during the course of the site investigation.

All soil samples were analyzed by an accredited laboratory using test methods identified under 35 Ill. Adm. Code 186.180. As required by the leaking underground storage tank (LUST) Section, a Laboratory Certification for Chemical and Physical accompanies each of the sample results that have been reported.

3.3 MONITORING WELL INSTALLATION PROTOCOL

Two-inch diameter wells consist of a 10-foot polyvinyl chloride (PVC) screen and PVC riser above the well screen. Annular space around the wells is filled with coarse-grained, 20/20 sand. Each well was completed at the surface with a flush-mount manway and a locking protective cover. The manways were slightly elevated and the concrete sloped away from each well to prevent surface water run-in. The elevations of the manways were surveyed to the nearest 0.01 foot. Well screens were set to the center depth of groundwater encountered during drilling to accommodate seasonal fluctuation of the water table.

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

Monitoring wells (MWs) were cleared of foreign sediment by standard well-development procedures in order to restore the natural hydraulic conductivity of the formation and to reduce the turbidity of the groundwater samples. All wells were developed by surging the bailer back and forth for several minutes and then withdrawing groundwater. The development process continued until clear water flowed into each well. The purpose of the surging was to remove the undersize sediment from the well and filter pack. All wells were developed the day of installation.

3.4 GROUNDWATER SAMPLING PROTOCOL

All samples are collected utilizing proper sampling protocol. Samplers wore clean, multi-layer disposable latex gloves, which were changed between each sample. The water level in each newly installed well was measured prior to sampling to determine the direction of the flow of groundwater. Prior to sampling, the water above the well screen was extracted from each well utilizing clean, disposable bailers to purge the well of its contents and collect a fresh sample of groundwater as it flows into the well.

Groundwater samples are gently poured into 40 milliliter (mL) glass vials for BETX and MTBE. The samples are placed in coolers with ice for delivery to the laboratory. Proper chain-of-custody procedures are followed. Each sample is labeled immediately upon collection and logged onto the chain-of-custody form. The chain-of-custody form is transported with the samples and then relinquished to the laboratory. The data collected is used to determine the groundwater flow directions and whether the applicable groundwater quality standards are exceeded.

3.5 DESCRIPTION OF ACTIVITIES COMPLETED

3.5.1 First Round of Sampling

On October 1, 2014, CW³M personnel were on site to conduct the Stage 1 investigation. MW-1 through MW-5 were drilled, and MW-1 through MW-4 were sampled for soil contamination. Additionally, SB-1 through SB-3 were drilled and sampled for soil contamination. All soil samples were collected from each drilling location and analyzed for BETX and MTBE. Soil analytical results from the Stage 1 investigation indicate that the most stringent Tier 1 Clean-up Objectives (CUOs) for the site have not been exceeded at any of the soil boring locations sampled during the Stage 1 investigation.

CW³M personnel returned to the site on December 11, 2014, to survey and groundwater sample the monitoring wells, MW-1 through MW-5. Groundwater samples were analyzed for BETX and MTBE. Groundwater analytical results from the Stage 1

CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

investigation indicate that the Class I Groundwater CUOs have been exceeded on site at MW-3 for the indicator contaminant benzene.

3.5.2 Second Round of Sampling

On April 19, 2016, CW³M personnel were on site to conduct Stage 2 investigation activities. One soil boring (SB-4) and two monitoring wells (MW-6 and MW-7), with soil samples being taken from MW-6, were advanced as part of the plume delineation activities. Soil samples were analyzed for BETX and MTBE indicator contaminants. Soil analytical results from the Stage 2 investigation indicate that the most stringent Tier 1 CUOs for the site have not been exceeded at any of the soil boring locations sampled during the Stage 2 investigation. An additional soil sample was also taken near the location of previously deemed clean well, MW-1, for the Tiered Approach to Corrective Action Objectives (TACO) parameters; this sample was also sampled for BETX and MTBE soil contamination per the IEPA's request. A slug test was also performed on this date at MW-1. The hydraulic conductivity calculations are included herein as Appendix F.

CW³M personnel returned to the site on April 20, 2016 to sample and survey the newly installed monitoring wells. Groundwater samples were analyzed for BETX and MTBE indicator contaminants. Groundwater analytical results from the Stage 2 investigation indicate that the Class I Groundwater CUOs have been exceeded on site at MW-6 for various indicator contaminants. Tables summarizing the results of all soil and groundwater sampling to date are included herein as Appendix E. Soil boring logs and well completion reports (WCRs) are included in Appendix D.

3.5.3 Off-site Access Activities

On July 25, 2016, a certified letter was sent to the City of Moline, owner of 1818 5th Avenue in Moline, Illinois, requesting access to the city's property for an off-site investigation. The letter was delivered on August 1, 2016.

On August 6, 2016, Maureen E. Riggs, the City Attorney for Moline, responded via mail requesting that an Access License Agreement be sent to her for review and signature.

Therefore, on August 9, 2016, an additional letter including language required by 35 Ill. Adm. Code 724.350b) was sent to Ms. Riggs, which also included an Access License Agreement.

On September 6, 2016, CW³M received copies of a signed Access License Agreement from the City of Moline granting access to their property located at 1818 5th Avenue in Moline, Illinois. The off-site investigation was to be scheduled pending resolution of access to the property at 1819 5th Avenue.

*CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247*

On July 25, 2016, a certified letter was sent to Monarch Investments, owner of 1819 5th Avenue in Moline, Illinois, requesting access to the owner's property for an off-site investigation. The letter was delivered on August 1, 2016.

On September 8, 2016, Andes Yahr, General Counsel of Real Estate for Monarch Investments, responded via telephone requesting that an Access License Agreement be sent to her for review and signature.

From September 8, 2016 to April 11, 2017, correspondence between Ms. Yahr and CW³M personnel continued, as requests were negotiated to modify the terms of the Access License Agreement. Because no response past these dates was made from Ms. Yahr, an additional letter including language required by 35 Ill. Adm. Code 724.350b) was sent to Monarch Investments on March 21, 2018. The letter was delivered on March 28, 2018.

On April 16, 2018, Ms. Yahr responded via telephone again requesting modifications to the Access License Agreement. After the modifications were made, a revised Access License Agreement was mailed to Ms. Yahr again for review and signature.

No response was made from Ms. Yahr until June 15, 2018, when an email was sent to her requesting a response regarding the newly revised Access License Agreement. After brief email correspondence on June 15, 2018, no response was again made from Ms. Yahr.

A final correspondence was sent to Ms. Yahr on July 13, 2018, nearly a month later, to which no response was made from Ms. Yahr. Due to no response being received, coupled with the lengthy time frame that was used for correspondence to date with Monarch Investments, it has been determined that access is considered denied for 1819 5th Avenue in Moline, Illinois.

In the time from when correspondence began with Monarch Investments to present day, the City of Moline finalized the sale of their property located at 1818 5th Avenue to Mr. Hong T. Nguyen of Hnguyen LLC.

Therefore, on April 18, 2018, a certified letter including language required by 35 Ill. Adm. Code 724.350b) was sent to Mr. Nguyen, owner of 1818 5th Avenue in Moline, Illinois, requesting access to the owner's property for an off-site investigation. The letter additionally included an Access License Agreement for his property. The letter was delivered on April 20, 2018, to which no response has ever been made from Mr. Nguyen. It has therefore been determined that access is considered denied for 1818 5th Avenue in Moline, Illinois.

In accordance with 35 Ill. Adm. Code 734.350, affidavits will be prepared and included in the Corrective Action Completion Report (CACR), documenting the attempts to obtain

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

access from the properties. Copies of the correspondences sent to the off-site properties are included in Appendix G.

4. DEVELOPMENT OF REMEDIATION OBJECTIVES

4.1 GROUNDWATER REMEDIATION OBJECTIVES

CW³M will consider the groundwater at this site to be Class I unless demonstrated otherwise pursuant to 35 Ill. Adm. Code § 620.210. According to the Illinois Pollution Control Board, three Class III Groundwater contributing areas exist; however, they are located in McHenry, Monroe and St. Clair Counties in northern and western Illinois. Groundwater investigation sample results would be compared to the TACO Residential Tier 1 Clean-up Objectives in milligrams per liter (mg/L).

Table 4-1. Groundwater Remediation Objectives

Parameter	TACO Residential Tier 1 Clean-up Objective (mg/L)
Benzene	0.005
Ethylbenzene	0.7
Toluene	1.0
Total Xylenes	10.0
MTBE	0.07

4.2 SOIL REMEDIATION OBJECTIVES

Soil analytical results were compared to the TACO Residential Tier 1 Clean-up Objectives in milligrams per kilogram (parts per million) (mg/kg).

Table 4-2. Soil Remediation Objectives

Parameter	TACO Residential Tier 1 Clean-up Objective (mg/kg)
Benzene	0.03
Ethylbenzene	13.0
Toluene	12.0
Total Xylenes	5.6
MTBE	0.32

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

4.3 Hydraulic Conductivity Testing

In accordance with 35 Ill. Adm. Code 734.410, remediation objectives were determined in accordance with 35 Ill. Adm. Code § 742. One of the clean soil boring locations (MW-1) was sampled for TACO parameters. The site-specific physical parameters have been determined as follows:

Hydraulic Conductivity (K), 1.50×10^{-4} cm/sec

Soil bulk density (r_b), 1.807 g/cm³

Soil particle density (r_s), 2.637 g/cm³

Moisture content (w), 0.18

Organic carbon content (f_{oc}), 0.45%

In order to determine the hydraulic conductivity, a slug test was performed during Stage 2 Site Investigation activities. The test was performed by lowering a “slug” constructed of PVC into a previously deemed clean monitoring well, MW-1. When the slug is lowered into the well, the groundwater is displaced by the volume of the slug. As the water within the well equilibrates, water depth changes are recorded in relation to the time interval that has passed since the test was initiated.

The hydraulic conductivity calculations are based on the total well depth, screen length and radius, initial water depth, and the water depth change over time. The depth-to-water changes over time were plotted on a semi-logarithmic graph and the curve was evaluated. The slope of the straight-line portion of the curve, along with the other slug test data, is used to calculate the hydraulic conductivity.

Velocity is calculated using the hydraulic conductivity results determined at the site, as well as the hydraulic gradient. The hydraulic gradient is found by calculating the change in gradient between the most up-gradient well and the most down-gradient well, then dividing this answer by the distance in feet between the two wells. Formula R24, ($U_{gv} = K \cdot i$) of 35 Ill. Adm. Code § 742 Appendix C, Table C.

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

5. ANALYTICAL OBJECTIVES AND RESULTS

5.1 SOIL ANALYTICAL RESULTS

Tables comparing the site investigation analytical results to the most stringent Tier 1 Remediation Objectives are included with the analytical results in Appendix E. The soil plume was considered defined at the conclusion of the Stage 2 investigation. The plume is confined to the vicinity of the former tank field. Drawing 0009 in Appendix B depicts the current limits of the soil contamination plume.

5.2 GROUNDWATER ANALYTICAL RESULTS

Tables comparing the site investigation analytical results to the most stringent Tier 1 Remediation Objectives are included with the analytical results in Appendix E. The groundwater plume is considered defined at the conclusion of the Stage 3 investigation due to denial of access to off-site properties to the west and north. The plume spans across the subject property into the right-of-way of 5th Avenue as well as onto the property immediately west of the site, but the full extent of contamination in either direction is unknown due to denial of access. Drawing 0010 in Appendix B depicts the current limits of the groundwater contamination plume.

5.3 GROUNDWATER FLOW DIRECTION

Based on the most recently conducted groundwater survey on April 20, 2016, the groundwater appears to flow to the west-northwest across the site. Refer to Drawing 0006B in Appendix B for the most recent groundwater flow map. The groundwater flow direction will continue to be evaluated during corrective action activities.

CW³M Company, Inc.

Site Investigation Completion Report

Aman Food and Gas

LPC #1610455194 – Incident Number 2014-0247

6. SITE MAPS

Site maps identifying the UST systems, sample locations, product and dispenser lines, pumps and pump islands, underground utilities, nearby structures, property boundaries, and any surrounding areas that might have been adversely affected by the release of petroleum from the UST systems are included in Appendix B. All maps are to scale, oriented north and are prepared in accordance with 35 Ill. Adm. Code 734.440.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

Soil analytical results indicate that the CUOs for the site have been exceeded at multiple early action sampling locations. The soil contamination plume is defined to the vicinity of the former tank field.

Groundwater analytical results indicate that the CUOs for the site have been exceeded at MW-3 and MW-6 to date. The plume spans across the subject property into the right-of-way of 5th Avenue as well as onto the property immediately west of the site, but the full extent of contamination in either direction is unknown due to the denial of off-site property access.

The need for a soil-gas vapor investigation will be addressed in the future Corrective Action Plan (CAP).

7.2 RECOMMENDATIONS

The results of the site investigation confirm that the extent of contamination has been conditionally defined post-denial of off-site access. On behalf of Aman Food and Gas, the owner of the USTs at the site in Moline, Illinois, CW³M will develop a CAP and Budget for submittal to the IEPA based upon the contamination plumes that have been defined in this report.

CW³M Company, Inc.
Site Investigation Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

8. REFERENCES

CW³M, 2014. CW³M Company, Inc. 20-Day Certification. Aman Food & Gas, Moline, Illinois, March 7, 2014.

CW³M, 2014. CW³M Company, Inc. Request for Extension of Early Action Period. Aman Food & Gas, Moline, Illinois, April 17, 2014.

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CW³M, 2014c. CW³M Company, Inc. 45-Day Report Addendum. Aman Food & Gas, Moline, Illinois, June 2, 2014.

CW³M, 2015. CW³M Company, Inc. Stage 2 Site Investigation Plan and Budget. Aman Food & Gas, Moline, Illinois, July 23, 2015.

CW³M, 2016. CW³M Company, Inc., *Stage 3 Site Investigation Plan and Budget*, Aman Food & Gas, Moline, Illinois, July 29, 2016.

EPA.STATE.IL.US, 2014. Source Water Assessment Program, Water Well Survey Map www.maps.epa.state.il.us, accessed March 13, 2014.

IEPA, 2014. Illinois Environmental Protection Agency, Early Action Correspondence, Aman Food & Gas, Moline, Illinois, April 28, 2014.

IEPA, 2014a. Illinois Environmental Protection Agency, 45-Day Report Correspondence, Aman Food & Gas, Moline, Illinois, August 29, 2014.

IEPA, 2015. Illinois Environmental Protection Agency, Stage 2 Site Investigation Plan and Budget Correspondence, Aman Food & Gas, Moline, Illinois, November 5, 2015.

IEPA, 2017. Illinois Environmental Protection Agency, *Stage 3 Site Investigation Plan and Budget Correspondence*, Aman Food & Gas, Moline, Illinois, January 26, 2017.

APPENDIX A

SITE INVESTIGATION COMPLETION REPORT FORM

**SITE INVESTIGATION
COMPLETION REPORT
AMAN FOOD AND GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Site Investigation Completion Report

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-0247 IEPA LPC # (10-digit): 1610455194

Site Name: Aman Food and Gas

Site Address (not a P.O. Box): 1830 5th Avenue

City: Moline County: Rock Island Zip Code: 61265

B. Site Information

- 1. Will the owner or operator seek payment from the Underground Storage? Yes No
- 2. Has a Site Investigation Plan been approved? Yes No

Date(s) of approval letter(s): Aug 29, 2014 Nov 5, 2015 Jan 26, 2017

C. Site Investigation Results

Provide the following:

- 1. Site history with respect to the release;
- 2. Site description:
 - a. Area surrounding the site;
 - b. Local geology, hydrogeology, and hydrology;
 - c. Local geography and topography;
 - d. Existing and potential migration pathways and exposure routes; and
 - e. Current and projected post-remediation land use;
- 3. Site investigation results:
 - a. Map(s) showing locations of all borings and groundwater monitoring wells completed as part of site investigation and the groundwater flow direction;
 - b. Map(s) showing the horizontal extent of soil and groundwater contamination exceeding the most stringent Tier 1 remediation objectives (ROs);
 - c. Map cross-section(s) showing the horizontal and vertical extents of soil and groundwater contamination exceeding the most stringent Tier 1 ROs;
 - d. Soil boring logs and monitoring well construction diagrams for all borings drilled and groundwater monitoring wells installed as part of site investigation;
 - e. Analytical results, chain of custody forms, and laboratory certifications;
 - f. Table comparing analytical results to the most stringent Tier 1 ROs (include sample depth, date collected, and detection limits); and
 - g. Potable water supply well survey;

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NOV 13 2018

IEPA/BOL

- 4. Conclusion that includes an assessment of the sufficiency of the data;
- 5. Site map(s) meeting the requirements of 35 Ill. Adm. Code 734.440; and
- 6. Budget forms of actual costs (documenting actual work performed during the previous stage).

D. Signatures

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator

Name: Aman Food & Gas
 Contact: Balbir Kaur
 Address: 5408 Country Court
 City: Davenport
 State: Iowa
 Zip Code: 52807
 Phone: 563-275-8189
 Signature: BALBIR KAUR
 Date: 11/2/18

Consultant

Company: CWM Company, Inc.
 Contact: Carol L. Rowe
 Address: 701 South Grand Avenue West
 City: Springfield
 State: Illinois
 Zip Code: 62704
 Phone: 217-522-8001
 Signature: [Handwritten Signature]
 Date: November 11, 2018

Email: cwm@cwmcompany.com

I certify under penalty of law that all activities that are the subject of this report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

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L.P.E. or L.P.G. Seal NOV 13 2018

Licensed Professional Engineer or Geologist

Name: Vince E. Smith, P.E.
 Company: CWM Company, Inc.
 Address: 701 South Grand Avenue West
 City: Springfield
 State: Illinois
 Zip Code: 62704
 Phone: 217-522-8001



IEPA/BOL

Ill. Registration No.: 062-046118
 License Expiration Date: 11/30/19
 Signature: Vince E. Smith
 Date: 11/12/18

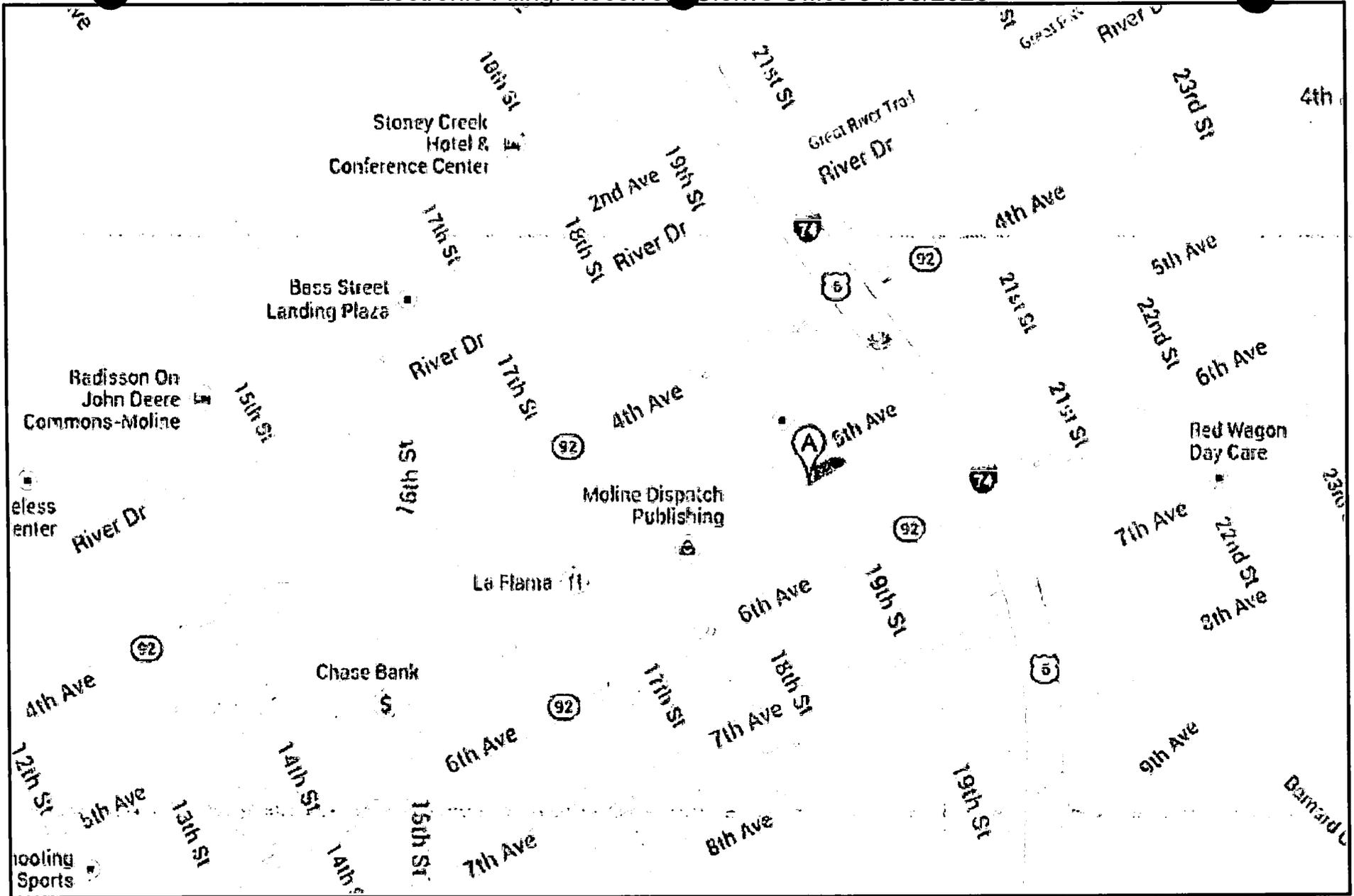
APPENDIX B

SITE MAPS AND ILLUSTRATIONS

SITE INVESTIGATION COMPLETION REPORT AMAN FOOD AND GAS MOLINE, ILLINOIS

INDEX OF DRAWINGS

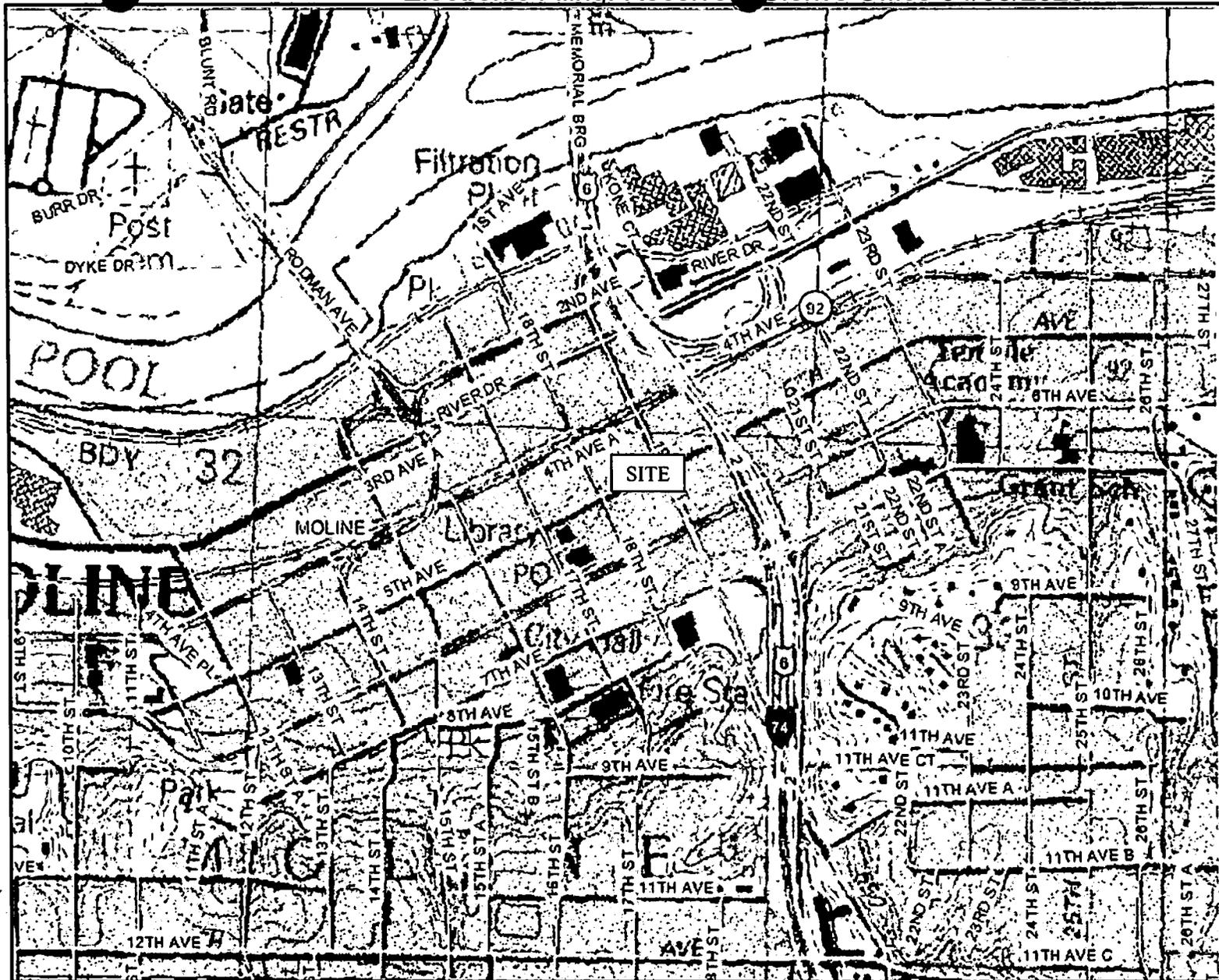
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0001B	Topographic Map	TopoMap.doc
0001C	Surrounding Populations Map	SP.doc
0002	Site Map	Site.dwg
0003	Soil Boring Location Map	SBLoc.dwg
0004	Monitoring Well Location Map	MWLoc.dwg
0005	Monitoring Well Elevation Map	MWElev.dwg
0006A	Groundwater Flow Map (October 2014)	GW1014.dwg
0006B	Groundwater Flow Map (April 2016)	GW0416.dwg
0007A	Soil Contamination Values Map (0-5 Feet)	SoilCon0-5.dwg
0007B	Soil Contamination Values Map (5-10 Feet)	SoilCon5-10.dwg
0008	Groundwater Contamination Values Map	GWcont.dwg
0009	Soil Contamination Plume Map	SPlume.dwg
0010	Groundwater Contamination Plume Map	GWPlume.dwg



CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Site Location Map
1830 5th Avenue
Moline, Illinois

Drawn By: BMW
Reviewed By: CLR
Drawing 0001A
SiteMap.doc



Legend

- Municipal boundaries
- County lines
- State line
- Local Roads
- Major Roads
- State Highways
- U.S. Highways
- Interstates

DRG 1:24K

0
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10
11
12
Out of range

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 701 South Grand Avenue West
 Springfield, IL 62704
 (217)-522-8001

Topographic Map
 1830 5th Avenue
 Moline, Illinois

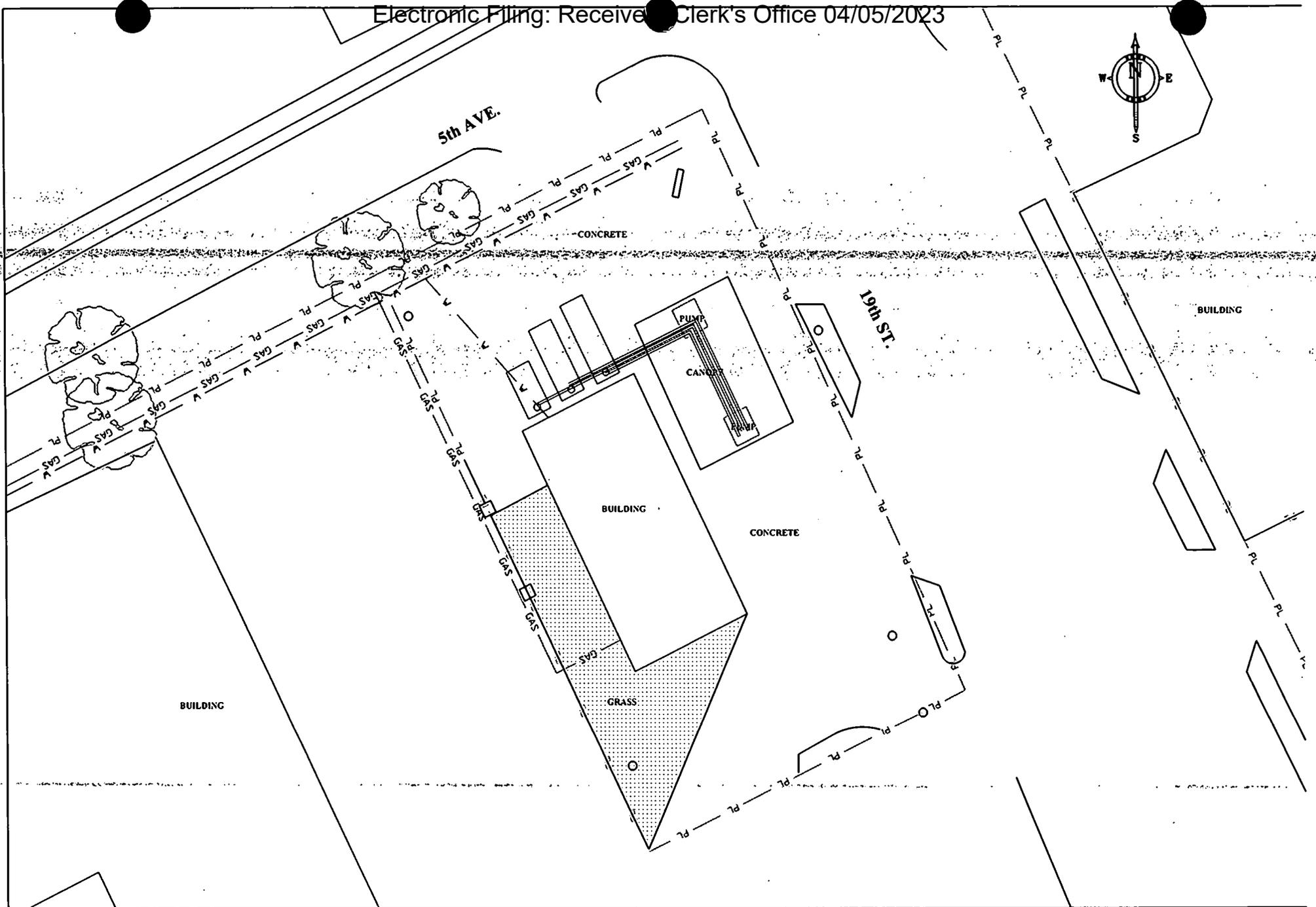
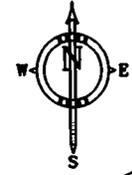
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 Reviewed By: CLR
 Drawing 0001B
 TopoMap.doc



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Springfield, IL 62704
(217)-522-8001

Surrounding Populations Map
1830 5th Avenue
Moline, Illinois

Drawn By: CBMW
Reviewed By: CLR
Drawing 0001C
SP.doc



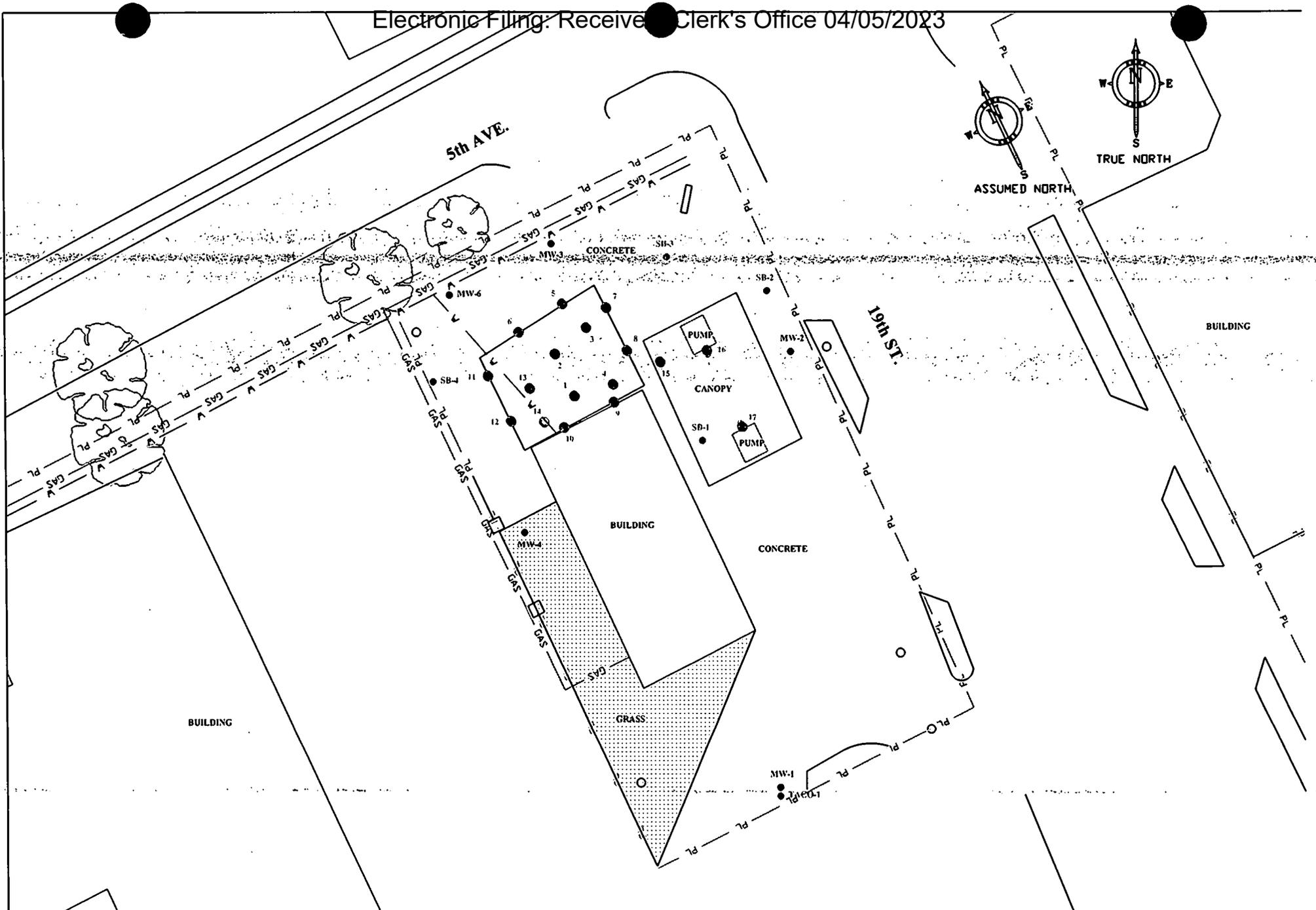
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

SITE MAP

DATE: 9/5/13
REVISED DATE: 5/1/14
SCALE 1"=30'
DRAWING: 0002

DRAWN BY: MDR
REVISED BY: BMW
REVIEWED BY: CLR
SITE DWG



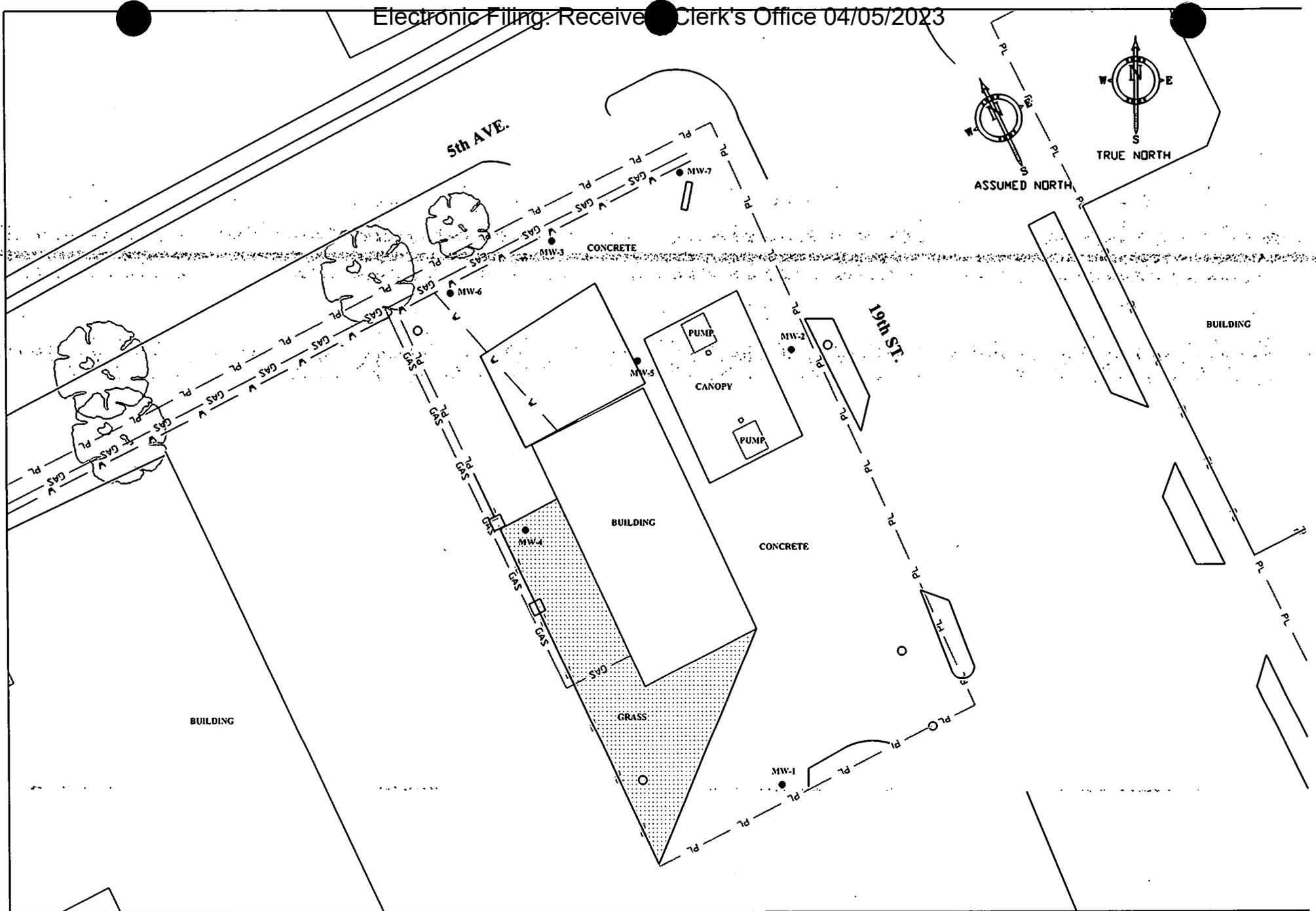
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 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**SOIL BORING
 LOCATION MAP**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0003

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SBLOG.DWG



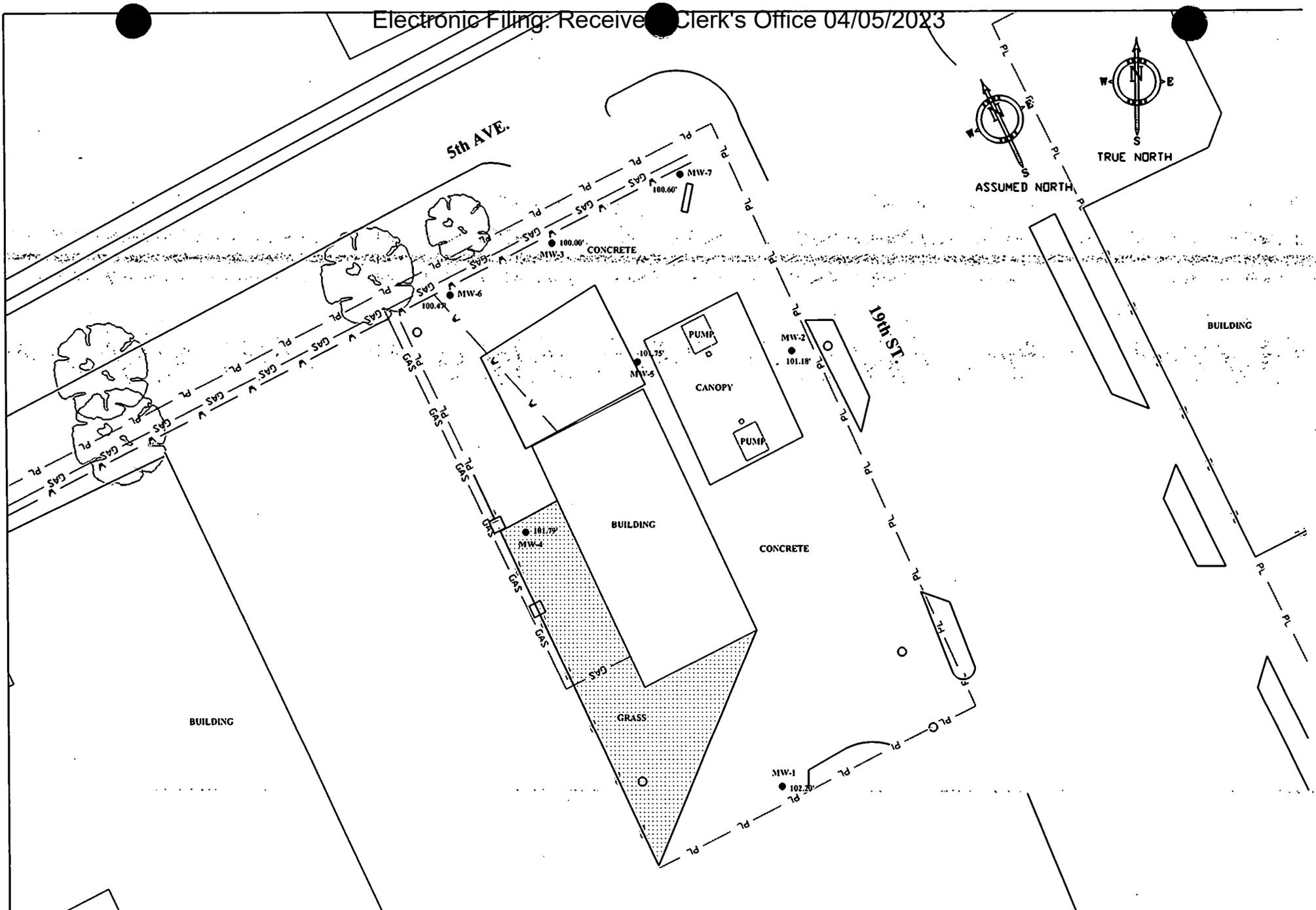
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**MONITORING WELL
 LOCATION MAP**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0004

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
MWLOC.DWG



CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

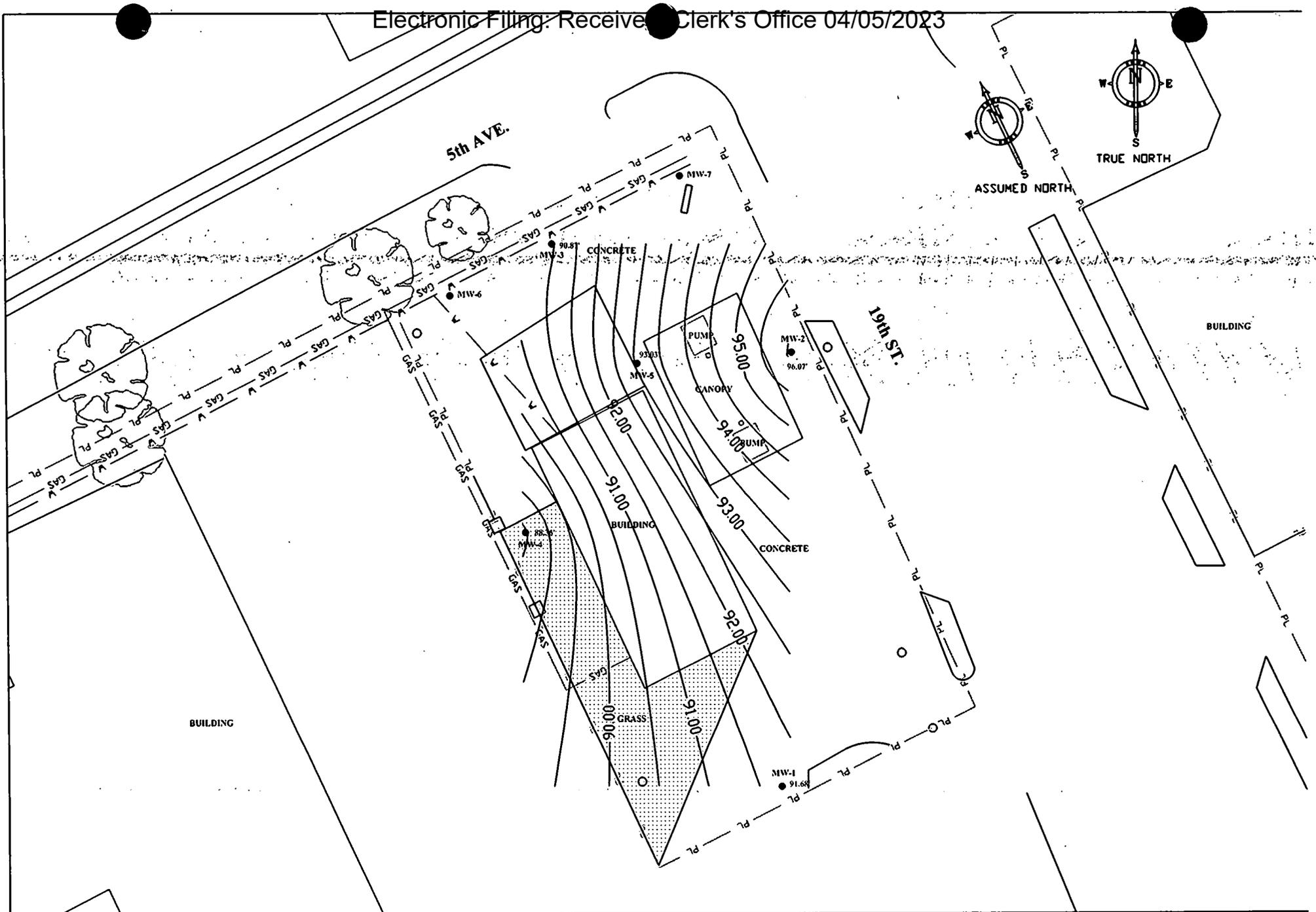
AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**MONITORING WELL
 ELEVATION MAP**

DATE: 1/9/2014
 REVISED DATE: 6/22/16
 SCALE 1"=30'
 DRAWING: 0005

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 MWELEV.DWG

000320



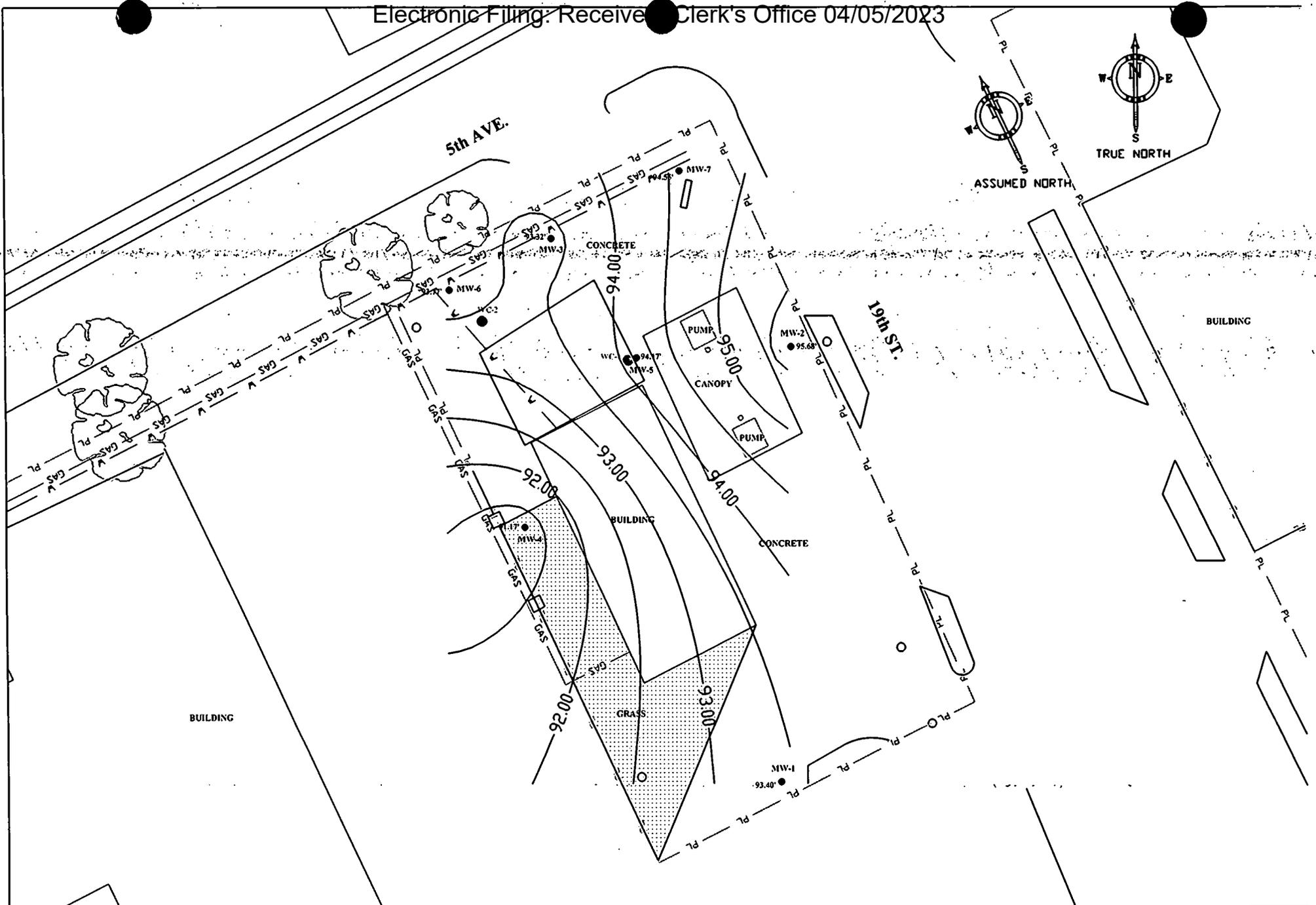
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

GROUNDWATER
FLOW MAP
(OCTOBER 2014)

DATE: 1/9/2014
REVISED DATE:
SCALE 1"=30'
DRAWING: 0006A

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
GW1014.DWG



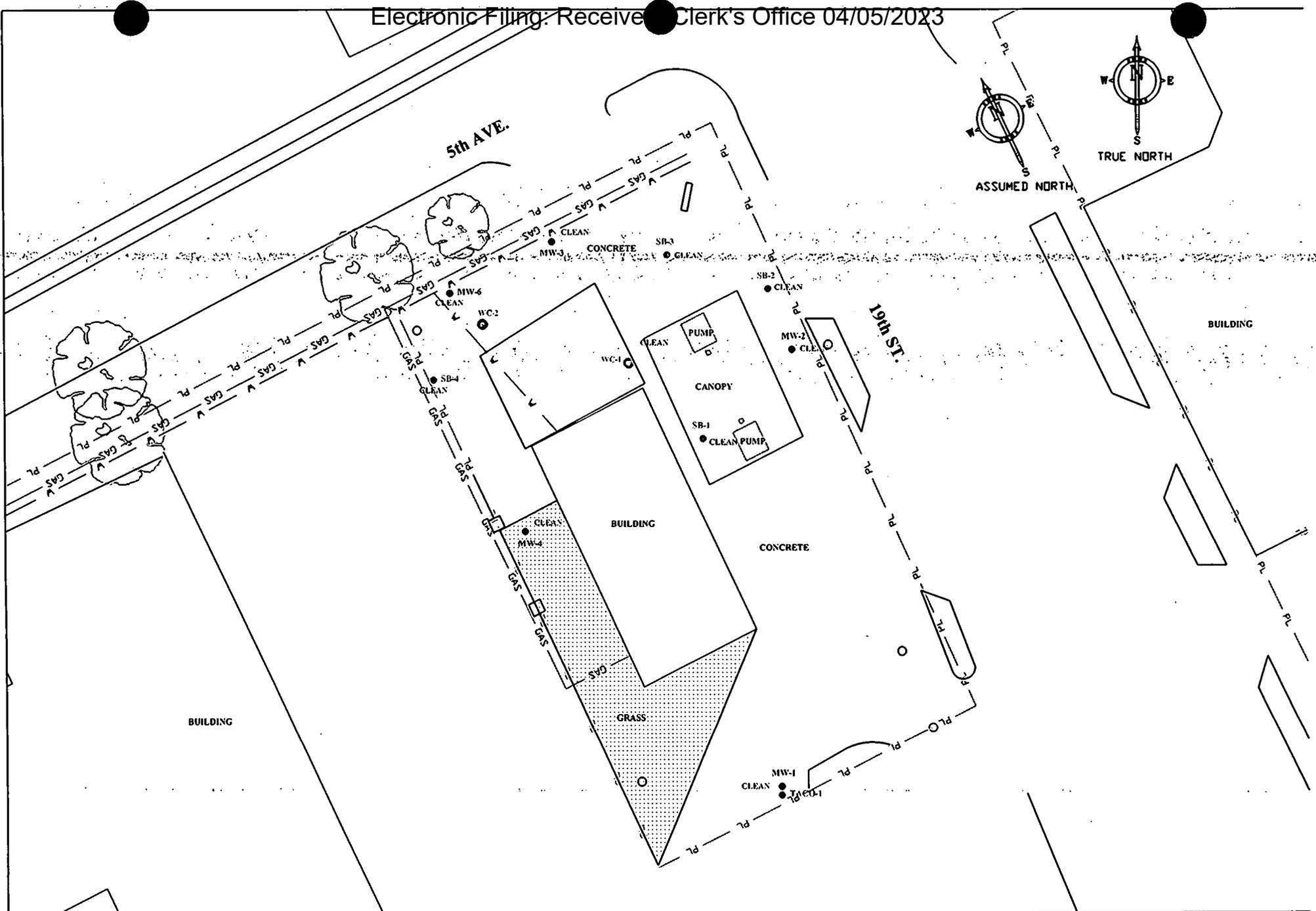
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

GROUNDWATER FLOW
MAP (APRIL 2016)

DATE: 6/22/16
REVISED DATE:
SCALE 1"=30'
DRAWING: 0006B

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
GW0416 DWG



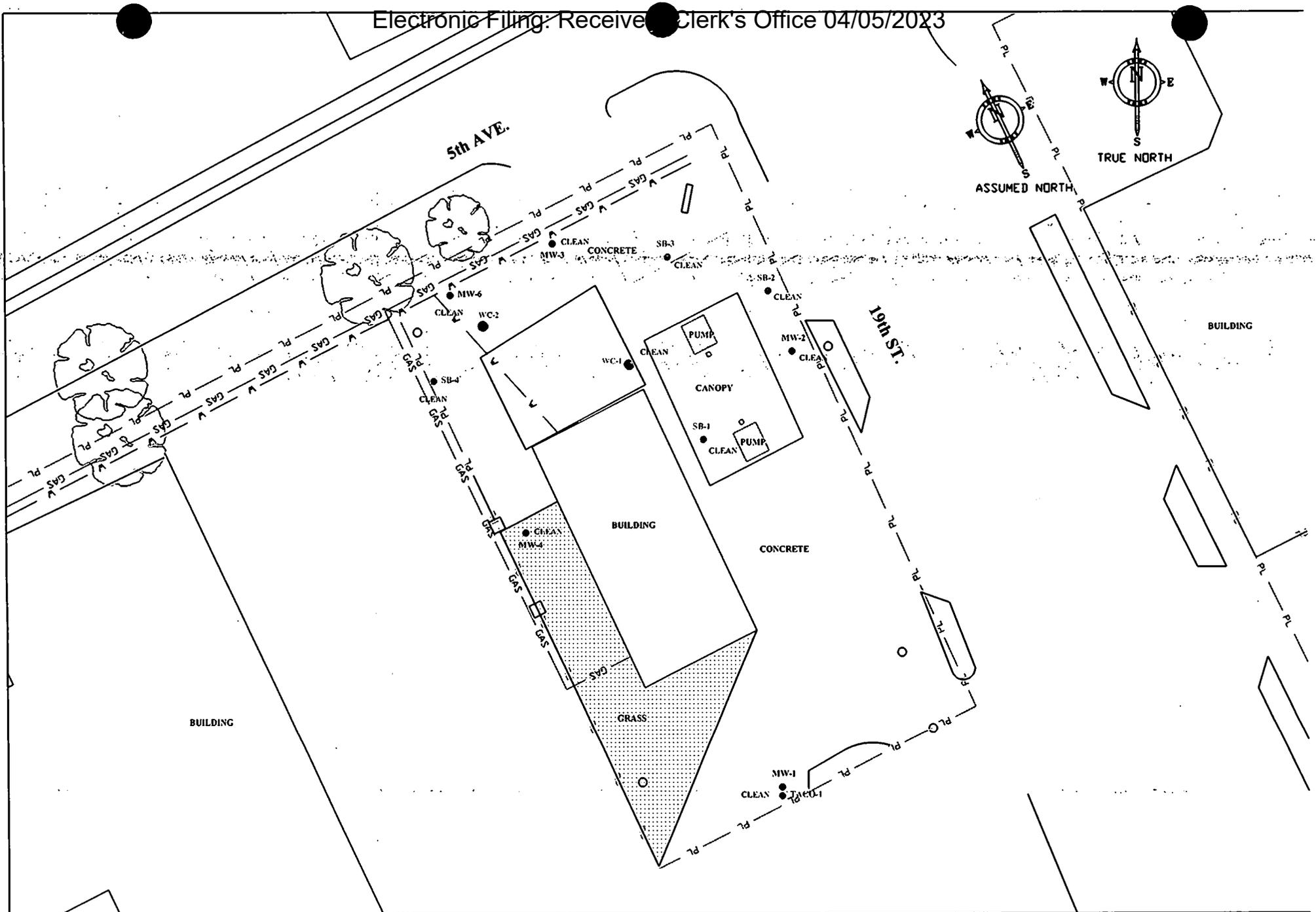
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**SOIL CONTAMINATION
 VALUES MAP (0-5 FEET)**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0007A

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SOILCON05.DWG



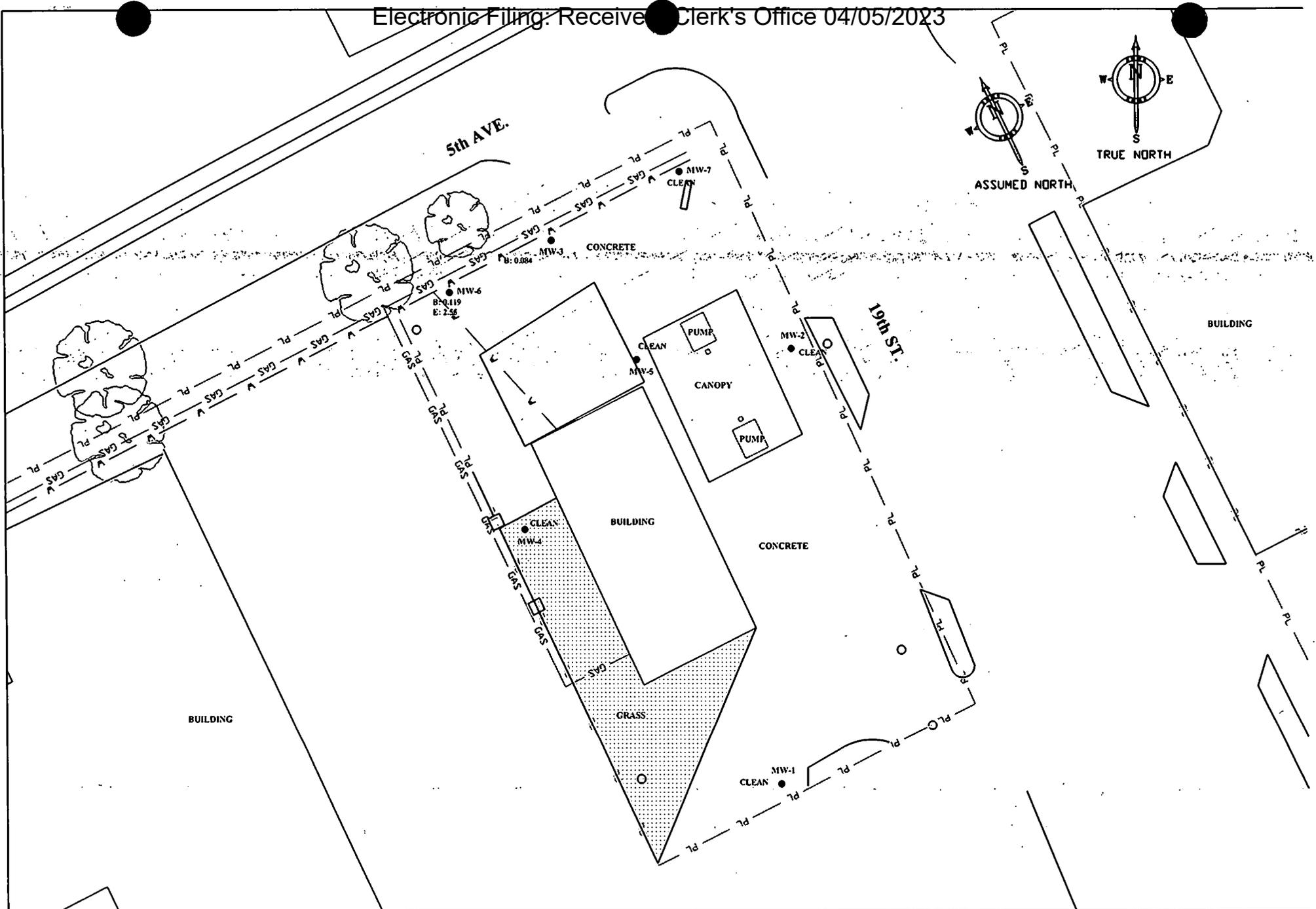
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**SOIL CONTAMINATION
 VALUES MAP (5-10 FEET)**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0007B

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SOILCON5-10.DWG



CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

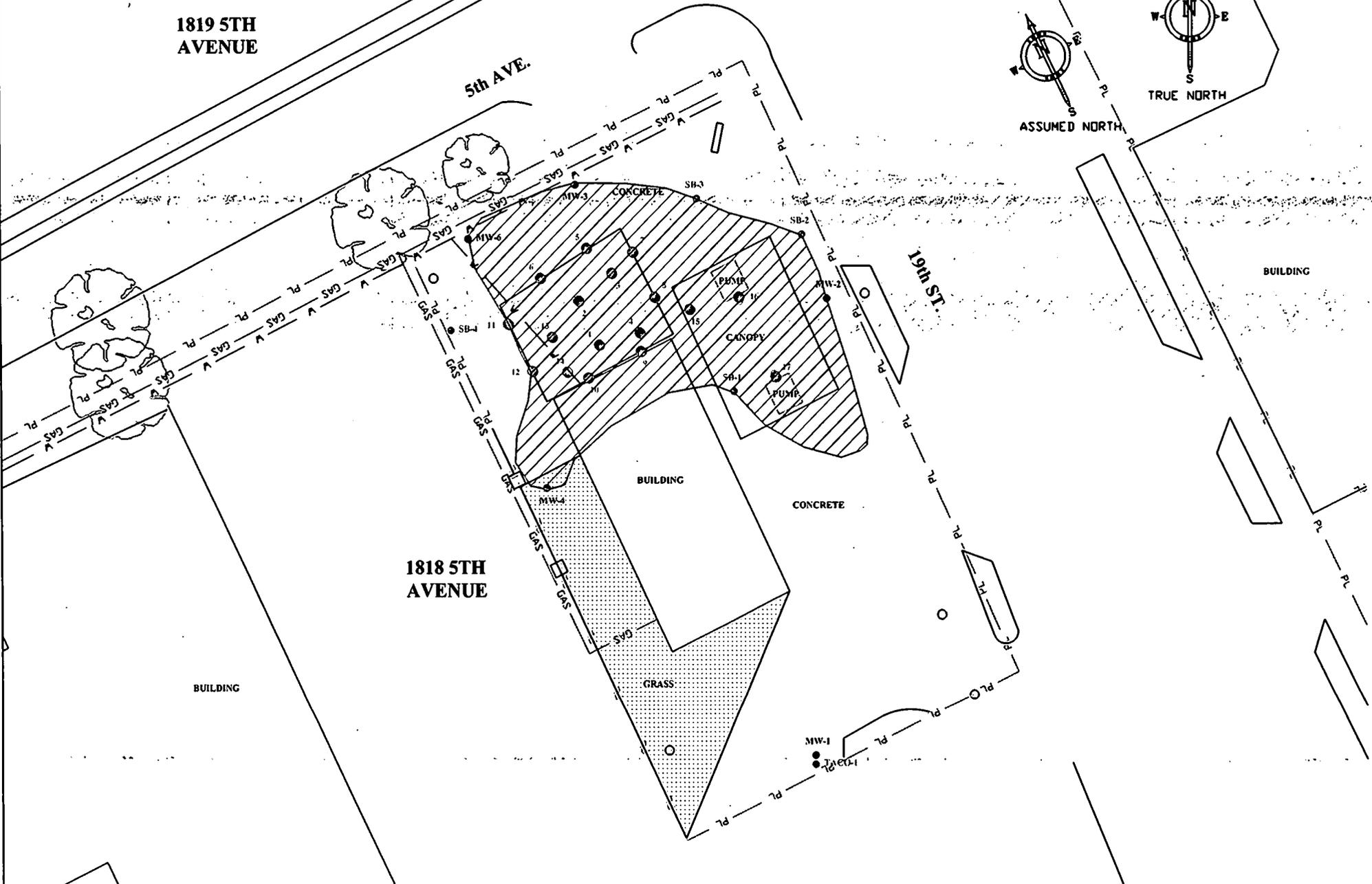
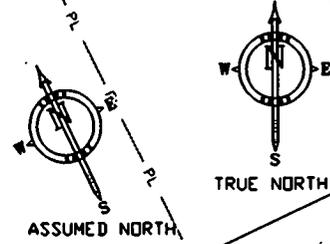
**GROUNDWATER
 CONTAMINATION
 VALUES MAP**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0008

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
GWCON.DWG

1819 5TH AVENUE

5th AVE.



1818 5TH AVENUE

19th ST.

CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

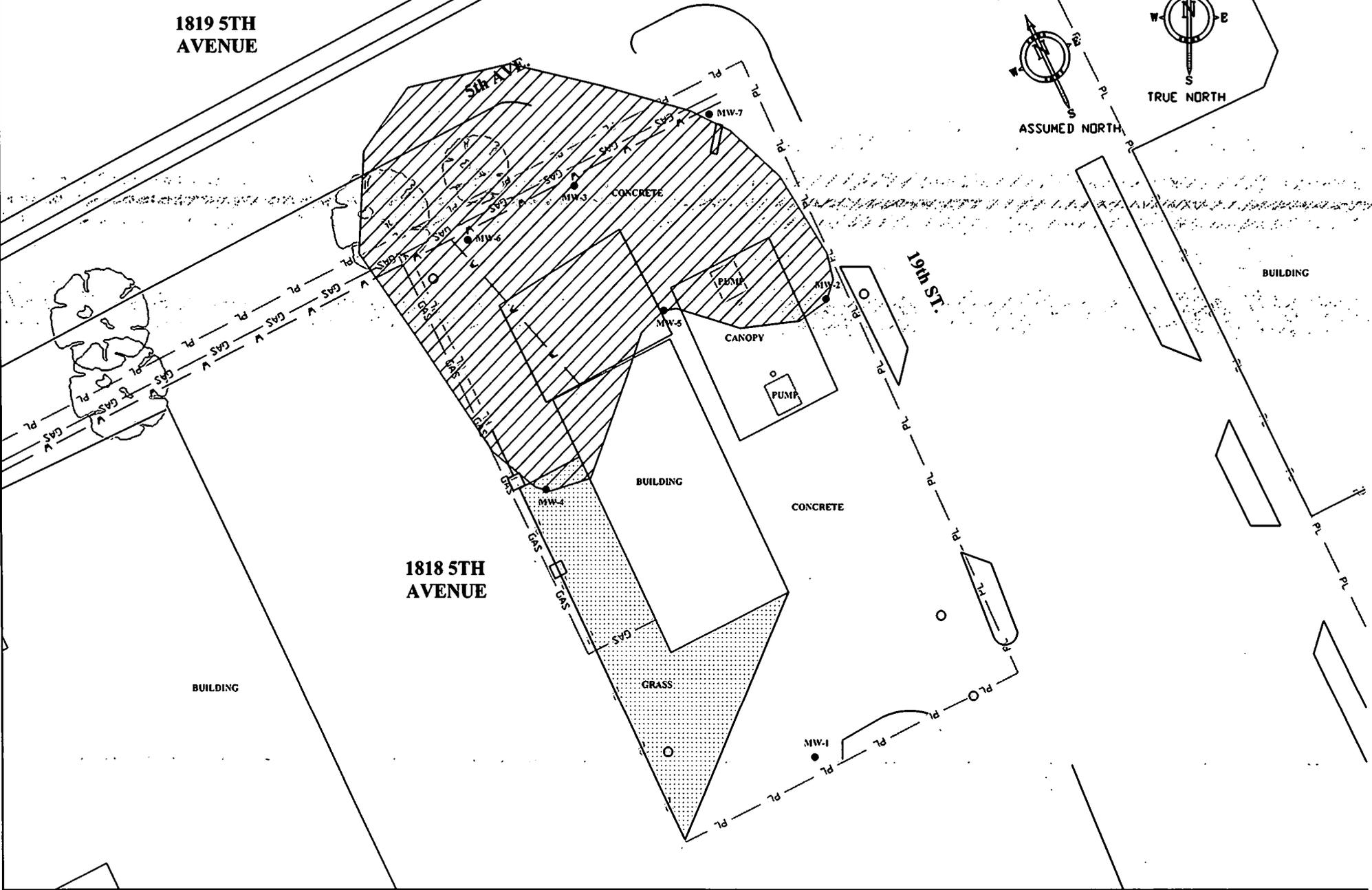
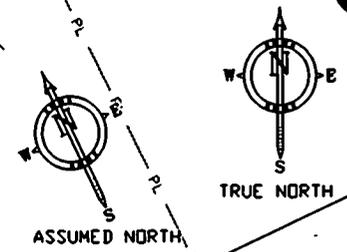
AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

SOIL CONTAMINATION
PLUME MAP

DATE: 9/13/18
REVISED DATE:
SCALE 1"=30'
DRAWING: 0009

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SPLUME DWG

1819 5TH AVENUE



CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

GROUNDWATER
CONTAMINATION
PLUME MAP

DATE: 9/13/18
REVISED DATE:
SCALE 1"=30'
DRAWING: 0010

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
GWPLUME.DWG

000327

APPENDIX C

ILLINOIS OFFICE OF THE STATE FIRE MARSHAL ELIGIBILITY DETERMINATION

**SITE INVESTIGATION
COMPLETION REPORT
AMAN FOOD AND GAS
MOLINE, ILLINOIS**



Office of the Illinois

State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"

CERTIFIED MAIL - RECEIPT REQUESTED #7014 1820 0001 3148 5009

January 8, 2015

Jeet Singh
c/o CW3M Company
P.O. Box 571
Carlinville, IL 62626

In Re: Facility No. 3-008580
IEMA Incident No. 14-0247
Aman Food & Gas
1830 5th Avenue
Moline, Rock Island Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on November 17, 2014 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

It has been determined that you are eligible to seek payment of costs in excess of \$5,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 1 5,000 gallon Gasoline
Tank 2 3,000 gallon Gasoline
Tank 3 4,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government,
2. The tank does not contain fuel which is exempt from the Motor Fuel Tax Law,
3. The costs were incurred as a result of a confirmed release of any of the following substances:

"Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

Aviation fuel

Heating oil

Kerosene

Electronic Filing: Received, Clerk's Office 04/05/2023

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.
5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.
6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.
7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.504(b)).

For information regarding the filing of an appeal, please contact:

Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620

The following tanks are also listed for this site:

Tank 4 4,000 gallon Gasoline
Tank 5 6,000 gallon Gasoline

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,



Deanne Lock
Administrative Assistant
Division of Petroleum and Chemical Safety

cc: IEPA
CW3M Company

APPENDIX D

BORING LOGS AND WELL COMPLETION REPORTS

**SITE INVESTIGATION
COMPLETION REPORT
AMAN FOOD AND GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LUST INCIDENT # 2014-0247				BOREHOLE NUMBER: RC-1			
SITE NAME: Aman Food & Gas - Moline				BORING LOCATION: 48' W & 6' S from NW corner of station			
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265				RIG TYPE: Truck Mounted Drill Rig			
DATE/TIME STARTED: 2/19/13 1:00 pm				DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger			
DATE/TIME FINISHED: 2/19/13 1:20 pm				BACKFILL: Grout/Cuttings			
DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Grass						
1	Black silty loam, topsoil						
2	Dark brown silty clay	CL					
3			90%	0			
4							
5							
6							
7	Gray silty clay	CL					
8			95%				
9	Gray clayey silt	ML		960.3	Grab	RC-1-8.5'	Odor & discoloration Waste characterization parameters
10	End of boring - 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES:

Manway / Surface Elevation:

Groundwater Depth While Drilling: N/A Auger Depth: 10' Driller: CW²M

Groundwater Depth After Drilling: Rotary Depth: Geologist: MAB



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LAST INCIDENT # 2014-0247	BOREHOLE NUMBER: WC-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 3' West & 6' North of Northeast Corner of Building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Geoprobe
DATE/TIME STARTED: 3/3/14 11:10 AM	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 3/3/14 11:30 AM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0							
1	concrete with gravel subbase	OM					odor and discoloration throughout worsening with depth
2							
3	backfill sand		90%	695	grab	WC1-2.5'	
4							
5							
6							
7							
8			100%	1245.0	grab	WC1-7.5	BETX, MTBE
9							softens
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and discoloration

Manway / Surface Elevation:

Groundwater Depth While Drilling:	10'	Auger Depth:	10'	Driller:	CW ² M
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR



Illinois Environmental Protection Agency

CW³M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LUST INCIDENT # 2014-0247	BOREHOLE NUMBER: WC-2
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 15'W and 33'N of NW Corner of Building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Geoprobe
DATE/TIME STARTED: 3-3-2014 11:30	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 3-3-2014 11:50	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0							
1	concrete with gravel subbase	OM					odor and discoloration throughout most visable at 5'
2	backfill sand		90%				
3							
4							
5	Grey Mottled Brown clayey silt, loam	CL		850	grab	WC2-2.5'	BETX, MTBE, Flash point, PH Paint Filter
6	trace sand						
7			100%	422.0	grab	WC2-7.5	
8							
9							
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and dicoloration

Manway / Surface Elevation:

Groundwater Depth While Drilling:	10'	Auger Depth:	10'	Driller:	CW ³ M
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LUST INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 45' N and 8' E corner of SE building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 10/1/14 1:15 PM	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 10/1/14 1:30 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No odor or discoloration
2	Light brown silty clay	CL	90%	5.0	Grab	SB-1 2.5'	BETX, MTBE
3							
4							
5							
6							
7							
8			90%	20.0	Grab	SB-1 7.5'	BETX, MTBE
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling:	~10	Auger Depth:	10'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR,MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

HOST INCIDENT # 2014-0247		BOREHOLE NUMBER: SB-2	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 37' E and 7' N of NE corner of building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill Rig	
DATE/TIME STARTED: 10/1/14 1:30 PM		DRILLING/SAMPLE METHOD: Push	
DATE/TIME FINISHED: 10/1/14 1:45 PM		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No odor or discoloration
2	Dark brown silty clay	CL	95%	12.0	Grab	SB-2 2.5'	BETX, MTBE
4	Brown silty clay	CL					
7			100%	8.0	Grab	SB-2 7.5'	BETX, MTBE
10	End of Boring 10'						wet

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~10 **Auger Depth:** 10' **Driller:** AEDC

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LAST INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-3
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 25' N and 17' E of NE corner building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 10/1/14 1:45 PM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 10/1/14 2:00 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor / Discoloration
2	Brown silty clay	CL	90%	23.0	Grab	SB-3 2.5'	BETX, MTBE
3							
4							
5							
6							
7							
8			100%	54.0	Grab	SB-3 7.5	BETX, MTBE
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~10 **Auger Depth:** 10' **Driller:** AEDC

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MDR,MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LEAST INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-4
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 30' N and 15' E of NW corner building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 4/19/16 12:15 PM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 4/19/16 12:30 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Top soil	OL					
1							No Odor / Discoloration
2	Dark brown silty clay	CL	95%	0.0	Grab	SB-4 2.5'	BETX, MTBE
3							
4	Brown silty clay	CL					
5							
6							
7							
8			100%	0.0	Grab	SB-4 7.5	BETX, MTBE
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~9-10 Auger Depth: 10' Driller: AEDC

Groundwater Depth After Drilling: Rotary Depth: Geologist: MDR,MJS



Illinois Environmental Protection Agency

**CW M COMPANY, INC.
DRILLING BOREHOLE LOG**

Page 1 of 1

LAST INCIDENT # 2014-0247	BOREHOLE NUMBER: TACO-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 2' S of MW-1
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 4/19/16 12:00 PM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 4/19/16 12:15 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
0	Subbase						No Odor / Discoloration
1	Light brown silty clay	CL	90%	0.0	Grab	TACO-1 2.5'	
2							
3							
4							
5							
6							
7	Brown silty clay with trace of sand	CL	100%	0.0	Grab	TACO-1 7.5	BETX, MTBE, TACO Parameters
8							
9							
10							Wet
10	End of Boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled for TACO as well as BETX, MTBE per IEPA Request

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~9'10' Auger Depth: 10' Driller: AEDC

Groundwater Depth After Drilling: Rotary Depth: Geologist: MDR,MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LUST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-1
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 35' S and 10' W of SE corner of building
DATE/TIME STARTED: 10-1-14 9:30 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 10:15 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Subbase						No Odor or Discoloration
1	Light Brown Silty Clay	CL	90%	10.0	Grab	MW-1 2.5'	BETX, MTBE
2							
3							
4							
5							
6	Brown Silty Clay with Trace of Sand	CL	100%	12.0	Grab	MW-1 7.5'	BETX, MTBE
7							
8							
9							
10							
11							Wet
12							
13			100%				
14							
15	End of boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	102.2'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LUST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-2
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 36' E and 54' N of SE corner of building
DATE/TIME STARTED: 10-1-14 10:15 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 11:00 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
0	Subbase						No Odor or Discoloration
1	Dark Brown Silty Clay	CL					
2			95%	15.0	Grab	MW-2 2.5'	BETX, MTBE
3							
4	Brown Silty Clay	CL					
5							
6							
7							
8	Brown Silty Clay with Traces of Sand	CL	100%	10.0	Grab	MW-2 7.5'	BETX, MTBE
9							
10							
11							Wet
12							
13			90%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	101.18'				
Groundwater Depth While Drilling:	~10'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LAST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-3
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 40' N and 5' W of NE corner of building
1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill
DATE/TIME STARTED: 10-1-14 11:00 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
DATE/TIME FINISHED: 10-1-14 11:45 AM	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	90%	25.0	Grab	MW-3 2.5'	BETX, MTBE
4	Brown Silty Clay	CL					
7			100%	42.0	Grab	MW-3 7.5'	BETX, MTBE
13			100%				Wet
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	100.0'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LAST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-4
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 10' W and 45' N of SW corner of building
DATE/TIME STARTED: 10-1-14 11:45 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 12:30 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Grass						
1	Top Soil						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	95%	11.0	Grab	MW-4 2.5'	BETX, MTBE
4	Brown Silty Clay	CL					
7			100%	16.0	Grab	MW-4 7.5'	BETX, MTBE
10							Wet
15	End of boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	101.79'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

HOST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-5
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 3' W & 6' N of NE corner of building
DATE/TIME STARTED: 10-1-14 12:30 PM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 1:15 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Gravel Subbase	OM					Odor and Discoloration
2	Backfill Sand		90%	700	-	-	
3							
4							
5							
6							
7							
8			100%	1200.0	-	-	
9							
10							
11							Wet
12							
13							
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Well Installation; Field Screened Only

Manway / Surface Elevation:	101.75'				
Groundwater Depth While Drilling:	10'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LOST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-6
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 37' N & 2' E of NW corner of building
DATE/TIME STARTED: 4-19-16 10:30 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 4-19-16 11:15 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase	GP					Slight Odor/Discoloration
2	Dark Brown Silty Clay	CL	90%	14	Grab	MW-6 2.5'	BETX, MTBE
3							
4							
5							
6	Brown Silty Clay	CL	100%	95.0	Grab	MW-6 7.5'	BETX, MTBE
7							
8							
9							Wet
10							
11							
12							
13			100%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	100.47'				
Groundwater Depth While Drilling:	9-10'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LAST INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-7
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 40' N & 30' E of NE corner of building
DATE/TIME STARTED: 4-19-16 11:15 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 4-19-16 12:00 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase	GP					No Odor or Discoloration
2	Dark Brown Silty Clay	CL	90%	0	Grab	MW-7 2.5'	
3							
4							
5							
6	Brown Silty Clay	CL					
7							
8			95%	0.0	Grab	MW-7 7.5'	
9							
10							
11							Wet
12							
13			100%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Samples Field Screened Only

Manway / Surface Elevation:	100.60'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	9-10'	Rotary Depth:		Installer:	MDR/MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

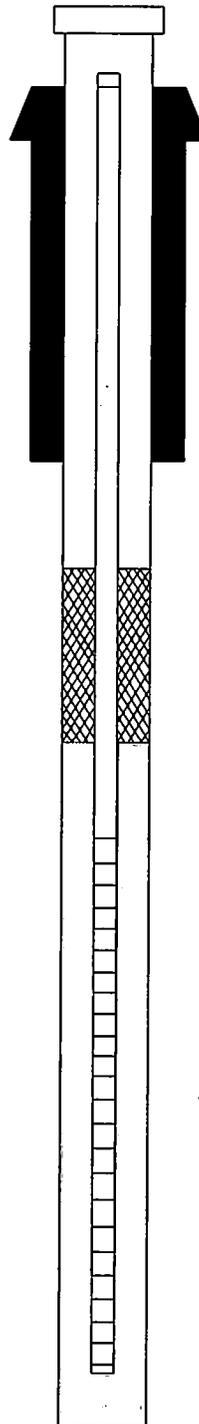
Well No. MW-1
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 102.20 ft.
 Top of riser pipe 101.95 ft.
 Ground surface 102.20 ft.
 Top of Annular Sealant 101.70 ft.
 Casing Stickup N/A
 Top of Seal 101.70 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.70 ft.
 Top of Screen 97.70 ft.
 Total Screen Interval 10.0 ft.
 Bottom of Screen 87.70 ft.
 Bottom of Borehole 87.20 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	91.68 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

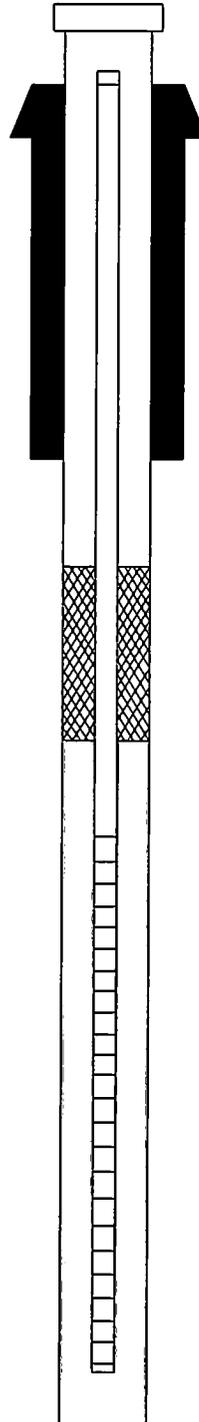
Well No. MW-2
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.18 ft.
 Top of riser pipe 100.93 ft.
 Ground surface 101.18 ft.
 Top of Annular Sealant 100.68 ft.
 Casing Stickup N/A

Top of Seal 100.68 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 97.68 ft.
 Top of Screen 96.68 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 86.68 ft.
 Bottom of Borehole 86.18 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	96.07 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

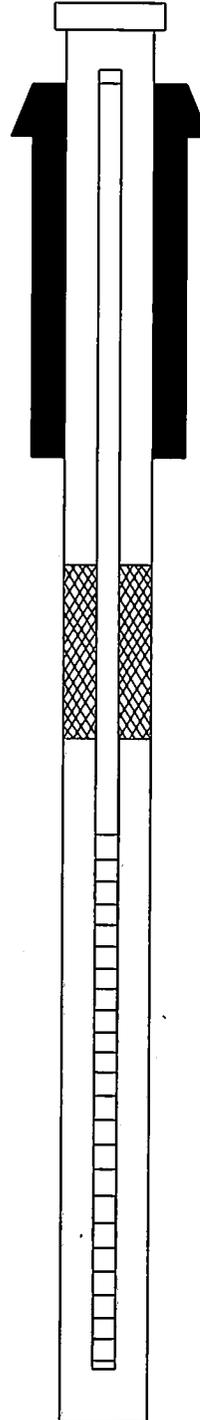
Well No. MW-3
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 100.00 ft.
 Top of riser pipe 99.75 ft.
 Ground surface 100.00 ft.
 Top of Annular Sealant 99.50 ft.
 Casing Stickup N/A

Top of Seal 99.50 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 96.50 ft.
 Top of Screen 95.50 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 85.50 ft.
 Bottom of Borehole 85.00 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	90.87 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

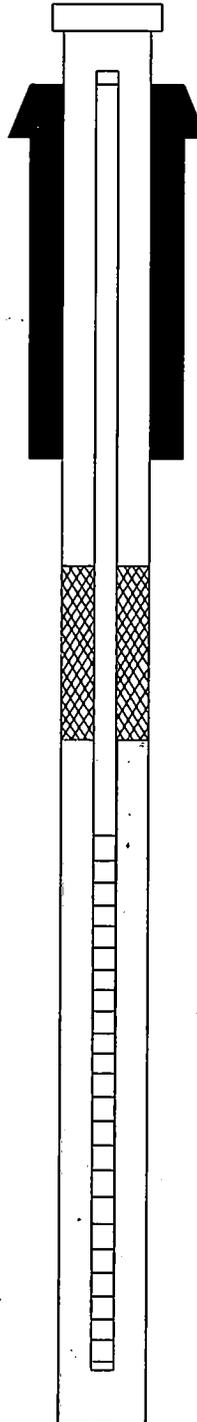
Well No. MW-4
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.79 ft.
 Top of riser pipe 101.54 ft.
 Ground surface 101.79 ft.
 Top of Annular Sealant 101.29 ft.
 Casing Stickup N/A

Top of Seal 101.29 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.29 ft.
 Top of Screen 97.29 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 87.29 ft.
 Bottom of Borehole 86.79 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	88.36 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

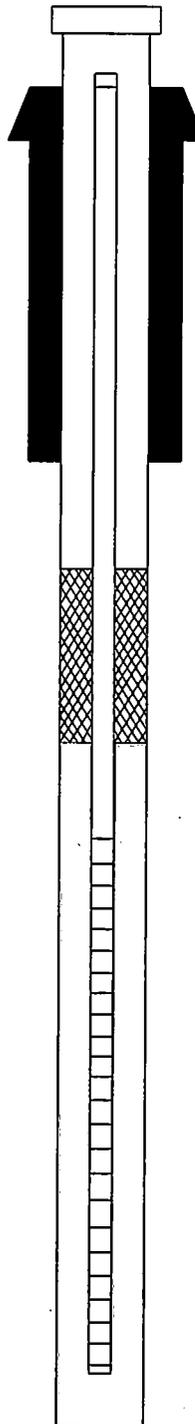
Well No. MW-5
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.75 ft.
 Top of riser pipe 101.50 ft.
 Ground surface 101.75 ft.
 Top of Annular Sealant 101.25 ft.
 Casing Stickup N/A

Top of Seal 101.25 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.25 ft.
 Top of Screen 97.25 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 87.25 ft.
 Bottom of Borehole 86.75 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	93.03 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

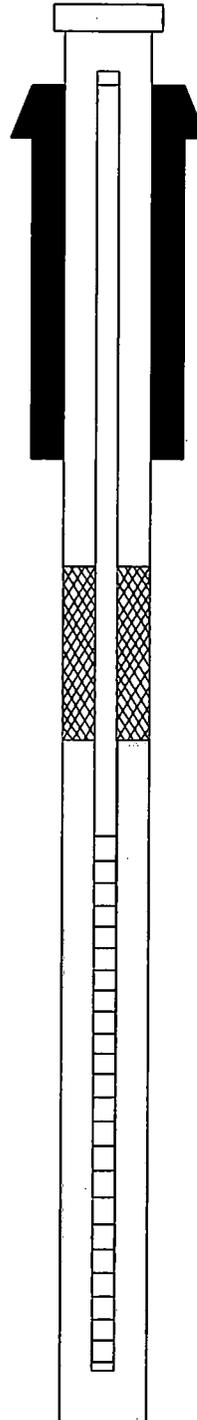
Well No. MW-6
 Date Drilled 4/19/2016
 Date Completed 4/19/2016
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 100.47 ft.
 Top of riser pipe 100.22 ft.
 Ground surface 100.47 ft.
 Top of Annular Sealant 99.97 ft.
 Casing Stickup N/A

Top of Seal 99.97 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 96.97 ft.
 Top of Screen 95.97 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 85.97 ft.
 Bottom of Borehole 85.47 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	9-10' ft. while drilling
Depth to Water	93.77 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	
Gallons removed (purge)	
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

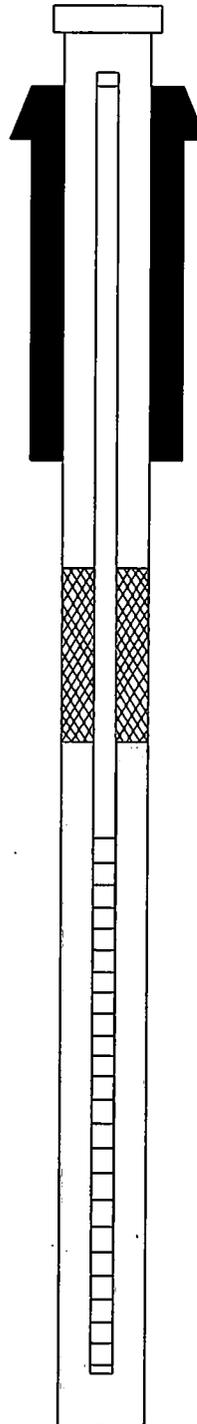
Well No. MW-7
 Date Drilled 4/19/2016
 Date Completed 4/19/2016
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 100.60 ft.
 Top of riser pipe 100.35 ft.
 Ground surface 100.60 ft.
 Top of Annular Sealant 100.10 ft.
 Casing Stickup N/A

Top of Seal 100.10 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 97.10 ft.
 Top of Screen 96.10 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 86.10 ft.
 Bottom of Borehole 85.60 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	9-10' ft. while drilling
Depth to Water	94.55 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	
Gallons removed (purge)	
Other	

Completed by: MJS

APPENDIX E

ANALYTICAL RESULTS

SITE INVESTIGATION COMPLETION REPORT AMAN FOOD AND GAS MOLINE, ILLINOIS

**Aman Food Gas
Site Assessment Data**

Waste Characterization

	Location	WC-1	WC-2
	Date	3/3/2014	3/3/2014
	Depth		
Parameter	Class I CUO		
Benzene	0.03	4.08	10.12
Ethylbenzene	13.0	83.3	4.86
Toluene	12.0	84.2	3.44
Total Xylenes	5.6	466	23.7
MTBE	5.6	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	1	2	3	4	5	6	7
	Date	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
	Depth							
Parameter	Class I CUO							
Benzene	0.03	0.561	1.4	2.2	1.63	0.14	0.463	0.151
Ethylbenzene	13.0	6.36	28.2	6.42	20.4	0.237	ND	1.3
Toluene	12.0	0.338	0.207	0.102	1.96	ND	ND	1.96
Total Xylenes	5.6	19.1	115	8.27	93.5	0.879	0.184	7.48
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	8	9	10	11	12	13	14
	Date	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
	Depth							
Parameter	Class I CUO							
Benzene	0.03	20.3	0.28	0.0467	ND	ND	1.22	0.41
Ethylbenzene	13.0	34.7	4.73	ND	ND	ND	10.3	9.91
Toluene	12.0	133	10.3	0.0825	ND	ND	0.156	ND
Total Xylenes	5.6	170	26.1	0.227	ND	ND	24.2	1.7
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	15	16	17
	Date	5/5/2014	5/5/2014	5/5/2014
	Depth			
Parameter	Class I CUO			
Benzene	0.03	0.346	0.0637	ND
Ethylbenzene	13.0	8.08	0.169	ND
Toluene	12.0	3.05	0.417	ND
Total Xylenes	5.6	41.4	0.924	ND
MTBE	0.32	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 1 Soil

	Location	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4
	Date	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
	Depth	2.5	7.5	2.5	7.5	2.5	7.5	2.5
Parameter	Class I CUO							
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 1 Soil

	Location	MW-4	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
	Date	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
	Depth	7.5	2.5	7.5	2.5	7.5	2.5	7.5
Parameter	Class I CUO							
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Site Assessment Data**

Stage 1 GW

	Location	MW-1	MW-2	MW-3	MW-4	MW-5
	Date	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
Parameter	Class I CUO					
Benzene	0.005	ND	ND	0.084	ND	ND
Ethylbenzene	0.7	ND	ND	0.054	0.034	ND
Toluene	1.0	ND	ND	0.006	0.198	ND
Total Xylenes	10.0	ND	ND	0.051	0.11	ND
MTBE	0.07	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 2 Soil

	Location	MW-6	MW-6	SB-4	SB-4
	Date	4/19/2016	4/19/2016	4/19/2016	4/19/2016
	Depth	2.5	7.5	2.5	7.5
Parameter	Class I CUO				
Benzene	0.03	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND

**Aman Food Gas
Site Assessment Data**

Stage 2 GW

	Location	MW-6	MW-7
	Date	4/20/2016	4/20/2016
Parameter	Class I CUO		
Benzene	0.005	0.119	ND
Ethylbenzene	0.7	2.55	ND
Toluene	1.0	0.013	ND
Total Xylenes	10.0	6.0	ND
MTBE	0.07	ND	ND

Site	Aman Food & Gas
Sample ID	TACO-1
Date	4/19/2016
FOC	0.45%
Gravel	0%
Sand	9.50%
Silt	83.30%
Clay	3.10%
Bulk Density	1.807 g/cm ³
Percent Moisture	18.00%
Specific Gravity	2.637 g/cm ³

APPENDIX F

HYDRAULIC CONDUCTIVITY DETERMINATION

**SITE INVESTIGATION
COMPLETION REPORT
AMAN FOOD AND GAS
MOLINE, ILLINOIS**

Bouwer & Rice Method
Version 2.00
6/18/1995

Notice to users: Each user will determine the accuracy of this program and its suitability to a particular purpose before basing any decisions upon program results. All risks of such decisions will be borne by the user. Please notify CSA of any suspected errors in the program.

©Creative Scientific Applications

Calculation Status

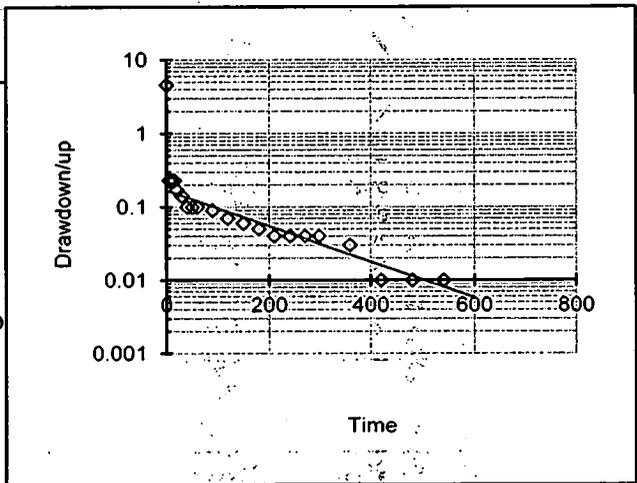
	Automatic Calculation	
--	-----------------------	--

Bouwer & Rice Method for Calculating Hydraulic Conductivity

Project Name: Aman Food & Gas
Client Name: Aman Food & Gas
Analysis By: MDR/MJS
Run Date: 4/19/2016

Project No.: 2014-0247
Identification: MW-K

Riser Pipe Diameter:	0.1667 feet
Intake Diameter:	0.604 feet
Intake Length:	10 feet
Saturated Column Length:	9.58 feet
Water Table Depth:	8.85 feet
Aquifer Thickness:	10 feet
Line Fit Starting No.:	2 Min 1 to
Line Fit Ending No.:	18 Max 22
Specify Output Units:	7 1 to 9
Hyd. Cond., K(h):	1.50E-04 cm./sec.
Error of Fit:	0.966



Meas. #	Time seconds	Field Meas. feet	Drawdown/up feet	Line Fit To LN(Yt)	Regression On LN(Yt)
1)	0.00	4.30	4.55	1.515	-1.778
2)	5.00	8.62	0.23	-1.470	-1.806
3)	10.00	8.62	0.23	-1.470	-1.834
4)	15.00	8.62	0.23	-1.470	-1.862
5)	20.00	8.68	0.17	-1.772	-1.890
6)	30.00	8.71	0.14	-1.966	-1.947
7)	40.00	8.75	0.10	-2.303	-2.003
8)	50.00	8.75	0.10	-2.303	-2.059
9)	60.00	8.75	0.10	-2.303	-2.115
10)	90.00	8.76	0.09	-2.408	-2.284
11)	120.00	8.78	0.07	-2.659	-2.453
12)	150.00	8.79	0.06	-2.813	-2.621
13)	180.00	8.80	0.05	-2.996	-2.790
14)	210.00	8.81	0.04	-3.219	-2.959
15)	240.00	8.81	0.04	-3.219	-3.127
16)	270.00	8.81	0.04	-3.219	-3.296
17)	300.00	8.81	0.04	-3.219	-3.465
18)	360.00	8.82	0.03	-3.507	-3.802

19)	420.00	8.84	0.01		-4.605	-4.139
20)	480.00	8.84	0.01		-4.605	-4.477
21)	540.00	8.84	0.01		-4.605	-4.814
22)	600.00	8.85	0.00		#NUM!	-5.151

APPENDIX G

OFF-SITE ACCESS REQUEST DOCUMENTATION

SITE INVESTIGATION COMPLETION REPORT AMAN FOOD AND GAS MOLINE, ILLINOIS

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

July 25, 2016

Property Owner
619 16th Street
Moline, Illinois 61265

Certified Mail # 7011 1570 0001 5599 7237

RE: Off-Site Access Request/Aman Food & Gas

To Whom It May Concern:

We have been hired Mr. Jeet Singh of Aman Food & Gas for site assessment and remedial proceedings at the fueling station located at 1830 5th Avenue in Moline, Illinois. This effort has been required by the Illinois Environmental Protection Agency (IEPA) as a result of a petroleum release reported to the IEPA, and identified as incident number 2014-0247. Prior investigations to date have apparently confirmed contamination to the soil and groundwater on this site. In accord, and pursuant to Illinois Administrative Code 734, the IEPA is requiring additional investigation of neighboring properties in order to determine the extent (if any) of off-site soil and/or groundwater contamination.

In association with Aman Food & Gas, we are seeking information regarding ownership of the property located directly to the west of the site located at 1818 5th Avenue, and neighboring the above referenced site. Provided of course that you are the owner of this property, and in order to satisfy the requirements of the IEPA, we are requesting access to perform an investigation. If you would like to allow us access to your property, please notify our office. Our standard access agreements will be prepared and forwarded to you for your review and signature. If, however, you intend to deny us access to this property, please notify our office in writing. Please be advised that the IEPA has allowed Mr. Dossaji a limited amount of time to complete this investigation. Therefore, we respectfully request a response within 14 days of the date of this letter.

If you have any questions about this project, or require additional information, please do not hesitate to contact Mr. Matt Rives or me at (217) 522-8001. On behalf of Aman Food & Gas, thank you for your consideration of our request.

Sincerely,

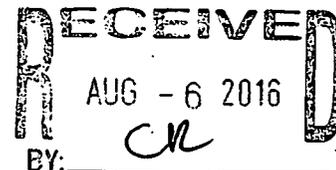


Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mrs. Balbir Kaur & Mr. Jeet Singh, *Aman Food & Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*



August 3, 2016



Law Department

619 16th Street
Moline, Illinois
61265

City Attorney
(309) 524-2010

Deputy City Attorney
(309) 524-2012

**Legal Services
Specialist**
(309) 524-2010

Legal Assistant
(309) 524-2012

**Rental Housing
Inspection Coordinator/
FOIA Officer**
(309) 524-2015

**Neighborhood
Improvement Officer**
(309) 524-2014

**Neighborhood
Improvement & Lead
Assessment Specialist**
(309) 524-2016

Office Fax
(309) 524-2020

Ms. Carol L. Rowe, P.G.
Senior Environmental Geologist
CW³M Company
701 West South Grand Avenue
Springfield, IL 62704

Re: Off-Site Access Request/Aman Food & Gas

Dear Ms. Rowe:

I am in receipt of your July 25, 2016 letter to the City of Moline regarding the above-referenced matter. The City is the property owner of 1818 5th Avenue, Moline, Illinois, the property located to the west of the Aman Food & Gas site at 1830 5th Avenue.

Pursuant to your request, the City agrees to allow CW³M access to the property to perform an investigation to meet the IEPA requirements. I ask that you provide the City with the results of the investigation as part of this agreement. It is my understanding from your letter that access agreements will be prepared and sent to the City for review and signature. Please forward those to my attention at the above address, or if you wish to forward them by email, to my assistant, Vickie, at vfelger@moline.il.us, as I will be away from the office August 5 through August 12.

Thank you for contacting the City regarding this matter.

Sincerely,

CITY OF MOLINE, ILLINOIS

By Maureen E Riggs
Maureen E. Riggs
City Attorney
mriggs@moline.il.us

MER:vlf

Copy via email: Erica Williams, Environmental Manager

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

APR 22 2019

REVIEWER: SAB

CW[®]M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

August 9, 2016

City of Moline
Attn: Maureen E. Riggs, City Attorney
1818 5th Avenue
Moline, Illinois 61265

Certified Mail # 7011 1570 0001 5599 7305

Re: Off-Site Access Request/Aman Food & Gas

Dear Ms. Riggs:

Thank you for your response to our request for access to your property located at 1818 5th Avenue in Moline. As requested, please find enclosed three copies of our standard access agreement. Please sign all three copies where indicated, and return them to our office. A return envelope has been provided for your convenience. Once the agreement is signed by a representative of Aman Food & Gas, we will return an original to you for the City's records.

Due to the timeliness of this project, we respectfully request return of these agreements within 30 days of the date of this letter. Once 30 days has passed, we will have to consider our request for access denied. While we respect your right and privilege to deny us access to your property if you so choose, the IEPA requires that we notify you of some specific issues regarding denial of access before they will accept the denial. These issues are as follows:

- 1) According to Section 57 of the Environmental Protection Act (Act); the Underground Storage Tank (UST) owner or operator, Aman Food & Gas, is legally responsible for remediation of any contamination caused by the UST system release;
- 2) If a property owner denies access to the UST owner or operator, the UST owner or operator may seek to gain entry by a court order pursuant to Section 22.2c of the Act;
- 3) In performing the requested investigation, the UST owner or operator will work so as to minimize any disruption on the property, will maintain, or its environmental consultant will maintain, appropriate insurance and will repair any damage caused by the investigation;
- 4) If contamination results from a UST release by the UST owner or operator, the UST owner or operator will conduct all associated remediation at its own expense; and
- 5) Threats to human health and the environment and diminished property value may result from failure to remediate contamination from the UST release.

If issues arise where the agreements cannot be signed within 30 days, please notify our office. We will do our best to accommodate you so access can be achieved. Again, please be advised that the IEPA has allowed Aman Food & Gas a limited amount of time to complete this investigation. Therefore, we respectfully request a response within 30 days of the date of this letter.

If you have any questions about this project, or require additional information, please do not hesitate to contact Mr. Matt Rives or me at (217) 522-8001. On behalf of Aman Fod & Gas, thank you again for your cooperation.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Enclosures

Xc: Mrs. Balbir Kaur & Mr. Jeet Singh, *Aman Food & Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*



September 6, 2016

Law Department

619 16th Street
Moline, Illinois
61265

City Attorney
(309) 524-2010

Deputy City Attorney
(309) 524-2012

**Legal Services
Specialist**
(309) 524-2010

Legal Assistant
(309) 524-2012

**Rental Housing
Inspection Coordinator/
FOIA Officer**
(309) 524-2015

**Neighborhood
Improvement Officer**
(309) 524-2014

**Neighborhood
Improvement & Lead
Assessment Specialist**
(309) 524-2016

Office Fax
(309) 524-2020

Ms. Carol L. Rowe, P.G.
Senior Environmental Geologist
CW³M Company
701 West South Grand Avenue
Springfield, IL 62704

Re: Off-Site Access Request/Aman Food & Gas

Dear Ms. Rowe:

Enclosed please find three signed copies of the letter agreement between the City of Moline and Aman Food & Gas. Please consider this letter to be a request by the City of Moline for any reports resulting from the investigation as provided in Section 6 of the agreement.

Thank you.

Sincerely,

CITY OF MOLINE, ILLINOIS

By Maureen E Riggs
Maureen E. Riggs
City Attorney
mriggs@moline.il.us

MER:vlf

Copy via email: Erica Williams, Environmental Manager

CW[®]M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

April 18, 2018

Hong T. Nguyen
Hnguyen LLC
1570 36th Avenue, Suite 3
Moline, Illinois 61265

Certified Mail # 7011 1570 0001 5599 8036

RE: Off-Site Access Request/Aman Food & Gas

Mr. Nguyen:

We have been hired Mr. Jeet Singh of Aman Food & Gas for site assessment and remedial proceedings at the fueling station located at 1830 5th Avenue in Moline, Illinois. This effort has been required by the Illinois Environmental Protection Agency (IEPA) as a result of a petroleum release reported to the IEPA and identified as incident number 2014-0247. Prior investigations to date have apparently confirmed contamination to the soil and groundwater on this site. In accord, and pursuant to Illinois Administrative Code 734, the IEPA is requiring additional investigation of neighboring properties in order to determine the extent (if any) of off-site soil and/or groundwater contamination.

In association with Aman Food & Gas, we are contacting you as the owner of the property located directly to the west of the site located at 1818 5th Avenue and neighboring the above referenced site. Provided of course that you are the owner of this property, and in order to satisfy the requirements of the IEPA, we are requesting access to perform an investigation. We were previously granted access to this property by the City of Moline before you took over ownership. Therefore, if you also wish to grant us access, we have included a standard access agreement for your review and signature.

Due to the timeliness of this project, we respectfully request return of these agreements within 30 days of the date of this letter. Once 30 days has passed, we will have to consider our request for access denied. While we respect your right and privilege to deny us access to your property if you so choose, the IEPA requires that we notify you of some specific issues regarding denial of access before they will accept the denial. These issues are as follows:

- 1) According to Section 57 of the Environmental Protection Act (Act), the Underground Storage Tank (UST) owner or operator, Aman Food & Gas, is legally responsible for remediation of any contamination caused by the UST system release;
- 2) If a property owner denies access to the UST owner or operator, the UST owner or operator may seek to gain entry by a court order pursuant to Section 22.2c of the Act;
- 3) In performing the requested investigation, the UST owner or operator will work so as to minimize any disruption on the property, will maintain, or its

environmental consultant will maintain, appropriate insurance and will repair any damage caused by the investigation;

- 4) If contamination results from a UST release by the UST owner or operator, the UST owner or operator will conduct all associated remediation at its own expense; and
- 5) Threats to human health and the environment and diminished property value may result from failure to remediate contamination from the UST release.

If you have any questions about this project, or require additional information, please do not hesitate to contact Mr. Matt Saladino or me at (217) 522-8001. On behalf of Aman Food & Gas, thank you for your consideration of our request.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mrs. Balbir Kaur & Mr. Jeet Singh, *Aman Food & Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

USPS Tracking®

FAQs > (<http://faq.usps.com/?articleId=220900>)

Track Another Package +

Tracking Number: 70111570000155998036

Remove X

Aman - off-site

Expected Delivery by

FRIDAY

20 APRIL 2018 ⓘ

by **8:00pm** ⓘ

Delivered

April 20, 2018 at 10:03 am
Delivered, Front Desk/Reception
MOLINE, IL 61265

7011 1570 0001 5599 8036

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information, visit our website at www.usps.com

MOLINE, IL 61265

Postage	\$3.65
Certified Fee	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$4.37

0604 02

SPRINGFIELD, IL 62701 DTS
Postmark Here
APR 18 2018
04/18/2018
USPS

Sent To
Street, Apt. No., or PO Box No.
City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

See Less ^

at you're looking for?

Go to our FAQs section to find answers to your tracking questions.

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

July 25, 2016

Property Owner
2195 N. Highway 83 Suite 14B
Franktown, Colorado 80116

Certified Mail # 7011 1570 0001 5599 7244

RE: Off-Site Access Request/Aman Food & Gas

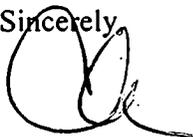
To Whom It May Concern:

We have been hired Mr. Jeet Singh of Aman Food & Gas for site assessment and remedial proceedings at the fueling station located at 1830 5th Avenue in Moline, Illinois. This effort has been required by the Illinois Environmental Protection Agency (IEPA) as a result of a petroleum release reported to the IEPA, and identified as incident number 2014-0247. Prior investigations to date have apparently confirmed contamination to the soil and groundwater on this site. In accord, and pursuant to Illinois Administrative Code 734, the IEPA is requiring additional investigation of neighboring properties in order to determine the extent (if any) of off-site soil and/or groundwater contamination.

In association with Aman Food & Gas, we are seeking information regarding ownership of the property located to the north-northwest of the site across 5th Avenue, located at 1819 5th Avenue, and neighboring the above referenced site. Provided of course that you are the owner of this property, and in order to satisfy the requirements of the IEPA, we are requesting access to perform an investigation. If you would like to allow us access to your property, please notify our office. Our standard access agreements will be prepared and forwarded to you for your review and signature. If, however, you intend to deny us access to this property, please notify our office in writing. Please be advised that the IEPA has allowed Mr. Singh a limited amount of time to complete this investigation. Therefore, we respectfully request a response within 14 days of the date of this letter.

If you have any questions about this project, or require additional information, please do not hesitate to contact Mr. Matt Rives or me at (217) 522-8001. On behalf of Aman Food & Gas, thank you for your consideration of our request.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mrs. Balbir Kaur & Mr. Jeet Singh, *Aman Food & Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

[Print](#) | [Close Window](#)

Subject: Off-site access in Moline, Illinois

From: matts@cwmcompany.com

Date: Thu, Sep 08, 2016 2:48 pm

To: ayahr@monarchinvestment.com

Attach: aman.pdf

Hi Ande,

Thanks for getting back to me regarding access we are seeking regarding the Aman Food & Gas site in Moline, Illinois. As you requested, I have attached the access agreement for your company's property to grant our client off-site access to test for possible contamination located on the off-site property.

Please feel free to email me back, or call again at 217-522-8001, if you have any questions at all regarding the agreements. Once you have reviewed the agreements and come to a decision I'll send you another letter via mail to follow up, but I'll wait until I hear back from you regardless. Thank you again!

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704

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Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

May 9, 2018

MIMG LXX LeClaire, LLC
Attn: Ande Yahr
2195 N. Highway 83 Suite 14B
Franktown, Colorado 80116

RE: Off-Site Access Request/Aman Food & Gas

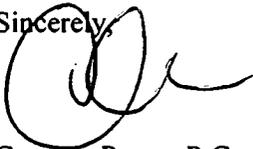
Ms. Yahr:

Thank you for the continued cooperation in regards to the request for site access to perform the investigation for the Aman Food & Gas site in Moline, Illinois. As discussed, the access license agreements have been revised per your request and included within. Please sign each copy where indicated and return them to our office. When we have additionally received a signature from our client, we will mail you an original copy for your records.

Once the scheduling of the drilling event is completed, we will promptly inform you of the proposed date and forward to you a copy of an updated Certificate of Insurance for CW³M Company, Inc.

If you have any questions about this project, or require additional information, please do not hesitate to contact Mr. Vince Smith or me. We can be reached at (217) 522-8001. On behalf of Aman Food & Gas, thank you for your consideration of our request.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mrs. Balbir Kaur & Mr. Jeet Singh, *Aman Food & Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

Print | Close Window

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: matts@cwmcompany.com
Date: Thu, Jul 19, 2018 4:01 pm
To: "Ande Yahr" <ayahr@monarchinvestment.com>

Ande,

Due to the project taking as long as it has, we went ahead and considered the access denied due to the pressure of getting a report into the EPA. I appreciate all of the effort you put in to get it done but since we hadn't heard anything in awhile we moved forward with the next step in the plan to get the site closed for our client. Let me know if you have any questions,

Thanks again,

Matthew Saladino, Environmental Engineer III
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: Ande Yahr <ayahr@monarchinvestment.com>
Date: Wed, July 18, 2018 5:32 pm
To: "matts@cwmcompany.com" <matts@cwmcompany.com>

Hi Matt,

I'm so sorry for the delay. I have been buried. I will review the revised agreement and reach out to you with any comments by Friday this week. I appreciate your patience on this.

Thanks,

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

000381

From: matts@cwmcompany.com <matts@cwmcompany.com>
Sent: Friday, July 13, 2018 10:28 AM
To: Ande Yahr <ayahr@monarchinvestment.com>
Subject: RE: Off-site Property LUST Incident - Moline, IL

Ande,

I was just checking again to find out the status on the off-site agreement in Moline, Illinois. Let me know if you have any questions.

Thanks again,

Matthew Saladino, Environmental Engineer III
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: Ande Yahr <ayahr@monarchinvestment.com>
Date: Fri, June 15, 2018 5:26 pm
To: "matts@cwmcompany.com" <matts@cwmcompany.com>

Hi Matt,

Sorry for the delay. Been mired in a lot of other things. I will be in touch next week.

Thanks!

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

From: matts@cwmcompany.com <matts@cwmcompany.com>
Sent: Monday, June 04, 2018 1:02 PM

To: Ande Yahr <ayahr@monarchinvestment.com>
Subject: RE: Off-site Property LUST Incident - Moline, IL

Hi Ande,

I was just following up our correspondence from a few weeks ago about the Moline property to see where we're at. Let me know if there is anything we can do on our end.

Thanks,

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: <matts@cwmcompany.com>
Date: Wed, May 09, 2018 8:02 am
To: "Ande Yahr" <ayahr@monarchinvestment.com>
Cc: "Carol Rowe" <carol_rowe@sbcglobal.net>, "Quentin Mege" <qmege@monarchinvestment.com>

Ande,

This will work just fine, thanks for the clarification. Let me know if you have any other concerns.

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: Ande Yahr <ayahr@monarchinvestment.com>
Date: Tue, May 08, 2018 6:09 pm
To: "matts@cwmcompany.com" <matts@cwmcompany.com>
Cc: Carol Rowe <carol_rowe@sbcglobal.net>, Quentin Mege <qmege@monarchinvestment.com>

Hi Matt,

Please see our proposed location of the monitoring well – on the asphalt, no less than 2 feet away from the concrete sidewalk, and on the correct parcel: 1819 5th Avenue. (Your proposed location was on 421 19th Street, which we will not authorize. We will not permit the well or any equipment, vehicles or personnel on 421 19th Street.)

Will our proposed location work for you? Please advise at your earliest convenience.

Getting there! Thanks!

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

From: matts@cwmcompany.com <matts@cwmcompany.com>
Sent: Friday, May 04, 2018 9:15 AM
To: Ande Yahr <ayahr@monarchinvestment.com>
Cc: Carol Rowe <carol_rowe@sbcglobal.net>; Quentin Mege <qmege@monarchinvestment.com>
Subject: RE: Off-site Property LUST Incident - Moline, IL

Ande,

Thanks for getting back to us. I will go ahead and re-send out the access agreement to you with the copy of our certificate of insurance.

In regards to your questions:

The activity on your company's property is solely the installation and sampling of one monitoring well. The actual installation process will take roughly an hour to conduct. Furthermore, there is no soil sampling required for this location, so it makes it even easier and less intrusive. We will then have to return to your property roughly 2-3 weeks after the actual installation to take a groundwater sample from the monitoring well (The Illinois EPA makes us wait a few weeks for the local groundwater table to "equilibriate" after we install the well). This sampling event will simply take no longer than about 10-15 minutes.

I have included a scanned PDF of the rough location of the proposed monitoring well. It can be slightly adjusted if we need it to be moved a bit in a direction, but this is where it was proposed as presented to the EPA.

The well itself is a 2-inch perforated PVC pipe that will go deep enough to reach the groundwater in the given area. In the case of this project, our other wells installed to date have been installed to a depth of

15', so that will most likely be the depth. The manhole cover itself that sits flush with the ground level is about 6 inches in diameter and will be sealed shut and installed flush with the ground as to keep the lot as it was.

As far as when the testing will be conducted, we are actually now currently waiting on the property to the west of our site to sign new agreements. It was originally signed and executed by the City of Moline but has since been sold to a private owner, which we need new access agreements with. So our timetable will just depend on how quickly they get back to us. I will keep you updated the best I can and we will give you adequate notice before we are ready to drill.

The asphaltting of the parking lot may be an issue if it falls in line with our drilling/sampling timetable. We'll play it by ear once everything is ready. Let me know if you have any questions - I hope this helped! Thanks again for all of the patience, I know we're all eager to get this going!

Matt

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: Ande Yahr <ayah@monarchinvestment.com>
Date: Thu, May 03, 2018 11:43 am
To: "matts@cwmcompany.com" <matts@cwmcompany.com>
Cc: "carol rowe@sbcglobal.net" <carol_rowe@sbcglobal.net>, Quentin Mege <qmege@monarchinvestment.com>

Hi Matt,

A certificate of insurance from CWM's insurance carrier showing no less than the coverages under Section 5 of the access agreement and that MIMG LXX LeClaire, LLC and Monarch Investment & Management Group as additional insureds will be sufficient. Thank you for looking into this.

Also, in discussing the matter with Quentin (the asset manager), we have questions concerning the process, so we can plan and ensure that the location is acceptable:

- How long will the testing last?

Electronic Filing: Received Clerk's Office 04/05/2023

- Will you please indicate the location of the proposed well on the attached survey (i.e., draw a small "x" in the location and scan back to me)?
- What are the dimensions of the proposed well (how deep, how wide)?
- Assuming we can execute an agreement in the next week, when would the testing begin?

Our concerns relate to the following circumstances: (1) the parking lot serves as parking for our residents, (2) we get income from use of the parking lot, (3) there is a sink hole in the parking lot close to the apartment building, and (4) we are planning on re-asphalting the parking lot this summer.

Thanks for your patience. Hopefully we can wrap this up soon.

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

From: matts@cwmcompany.com <matts@cwmcompany.com>
Sent: Tuesday, April 17, 2018 1:42 PM
To: Ande Yahr <ayahr@monarchinvestment.com>
Cc: carol_rowe@sbcglobal.net; Quentin Mege
<qmege@monarchinvestment.com>
Subject: RE: Off-site Property LUST Incident - Moline, IL

Ande,

After talking with our client today and his insurance agent, it was confirmed that he does not hold any insurance on the property, so we will be unable to provide that. We will be the only individuals on the off-site property so we can still provide for you CWM's certificate of insurance. Please review the revised access agreement I sent you and let me know if this will suffice your needs. If you have any additional questions, please feel free to email or call me at our office again. I apologize for all of the trouble and appreciate the cooperation.

Matt

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West

Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: <matts@cwmcompany.com>
Date: Tue, April 17, 2018 8:47 am
To: "Ande Yahr" <ayahr@monarchinvestment.com>
Cc: "carol_rowe@sbcglobal.net" <carol_rowe@sbcglobal.net>, "Quentin Mege" <qmege@monarchinvestment.com>

Ande,

I double-checked the location of the proposed monitoring well and it looks like its within the property of the parking lot - it is the only location proposed. It is about 25 feet west of the western edge of the apartment building and would be within the blacktop of the parking lot. I went ahead and updated the access agreement to reflect the address of the parking lot. If this is incorrect, let me know. I normally can check property lines on GIS but the Rock Island County GIS website is down currently (go figure).

I went ahead and made the changes that you requested to the access license agreement as well, so if you want to take another look at that and let me know what you think, that'd be great.

I have reached out to our client again about the certificate of insurance, so I will update you as soon as I hear back from him. Thanks again for all the help, let us know if you need anything else in the time being.

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217) 522-8001

----- Original Message -----

Subject: RE: Off-site Property LUST Incident - Moline, IL
From: Ande Yahr <ayahr@monarchinvestment.com>
Date: Mon, April 16, 2018 4:37 pm
To: "matts@cwmcompany.com" <matts@cwmcompany.com>
Cc: "carol_rowe@sbcglobal.net" <carol_rowe@sbcglobal.net>, Quentin Mege <qmege@monarchinvestment.com>

Matt and Carol,

I'm just following up on our discussion from earlier today. I apologize for the multiple emails.

Quentin Mege, the asset manager for this property, just pointed out a typo in the address of the subject property in your March 21, 2018 letter. Your letter references property at 819 5th Avenue. MIMG LXX LeClaire, LLC is the owner of property located at 1819 5th Avenue, which is a parking lot. MIMG LXX LeClaire, LLC also owns property at 1801 and 1815 5th Avenue (which are properties used for parking) and 421 19th Street, which is an apartment building.

Is CW3M requesting access to the property at 1819 5th Avenue, only? Or is it requesting access to any of the other properties owned by MIMG LXX LeClaire, LLC? The definition of "Premises" in the Access License Agreement will need to be updated accordingly.

Also, just to be clear, MIMG LXX LeClaire, LLC intends to grant access to Aman Food & Gas (through CW3M) for the testing. We just need to execute a mutually acceptable access agreement and, if Aman Food & Gas has general commercial liability coverage, we would like to have a certificate of such coverage. I would also like a certificate of CW3M's insurance coverage. Please provide both at your earliest convenience.

I look forward to wrapping this matter up as soon as possible, and I look forward to hearing from you.

Thanks,

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

From: Ande Yahr
Sent: Monday, April 16, 2018 2:36 PM

To: 'matts@cwmcompany.com' <matts@cwmcompany.com>
Cc: 'carol_rose@sbcglobal.net' <carol_rose@sbcglobal.net>; Quentin Mege
<qmege@monarchinvestment.com>
Subject: FW: Off-site Property LUST Incident - Moline, IL
Importance: High

Thanks Matt. It was nice talking with you. I look forward to hearing back from you.

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

From: Ande Yahr
Sent: Monday, October 03, 2016 2:52 PM
To: matts@cwmcompany.com
Subject: RE: Off-site Property LUST Incident - Moline, IL

Thanks, Matt. Will you please add Monarch Investment & Management Group, LLC to the CW3M certificate of insurance? Also, please provide me a copy of Aman's certificate of insurance showing LeClaire and Monarch as additional insureds.

My updated comments to the Access Agreement are attached. Please confirm whether these are acceptable.

Thank you!

M. Ande Yahr, Esq.
General Counsel of Real Estate
Monarch Investment and Management Group
2195 N. Highway 83, Suite 14B
Franktown, CO 80116
303-607-7919 (direct)
720-476-7782 (facsimile)
WWW.MIMGINVESTMENT.COM

From: matts@cwmcompany.com [<mailto:matts@cwmcompany.com>]

Sent: Monday, September 26, 2016 9:07 AM

To: Ande Yahr

Subject: Off-site Property LUST Incident - Moline, IL

Hi Ande,

I've attached a copy of the Certificate of Liability Insurance to this email for the Leclair Property in Moline for the off-site investigation for you to review. If you have any additional edits or questions on the Access License Agreement, please feel free to email me at your convenience or call Carol again at (217) 522-8001. Have a good start to the week.

Matthew Saladino, E.I.T.
CWM Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704

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LEAKING UST TECHNICAL REVIEW NOTES

Reviewed by: Eric Kuhlman

Re: LPC #1610455194 – Rock Island County

Date Reviewed: 3-7-2019

Moline / Aman Food & Gas

1830 5th Avenue

Leaking UST Incident No. 20140247

Leaking UST Technical File

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

Document(s) Reviewed:

APR 22 2019

SICR

REVIEWER: SAB

General Site Information:

Site subject to: 734

IEMA date(s): 3-3-2014	Payment from the Fund? (Y/N/unknown): Y
UST system removed? (Y/N): N	OSFM Fac. ID #: 3008580
Encountered groundwater? (Y/N/U): Y	SWAP mapping and evaluation completion date: 3-7-2019
Free product? (Y/N/unknown): N	Site placement correct in SWAP? (Y/N): U
Current/past land use: convenience store	Inspection Required? N
Size & product of USTs: (1) 5,000-gallon gasoline (1) 3,000-gallon gasoline (1) 4,000-gallon gasoline	
Is site located in EJ area? Y	Is investigation of indoor inhalation exposure route required? N
Has enough sampling been completed to perform a Right-to-Know Evaluation? Y	PLA Checklist Complete? N

BOL File Information:(optional) (Arranged chronologically):

On 3-3-2014, two (2) waste characterization borings [WC-1, WC-2] were advanced near the UST systems to depths of 10 feet bgs. Two (2) soil samples were collected and analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I SROs for Csat in WC-1 8'(X); CW Inh in WC-1 8'(BETX), WC-2 3'(X); R Inh in WC-1 8'(BX); SCGI in WC-1 8'(BETX), WC-2 3'(B). This release was reported to IEMA and assigned LUST Incident #20140247.

On 5-1-2014, three (3) underground storage tanks (USTs) and their piping were removed from the site. Approximately 514 cubic yards (771 tons) of contaminated backfill was removed from UST pit and disposed offsite. Seventeen (17) soil samples were collected from excavation walls, piping trench and floor beneath each tank, and analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I SROs for R Ing in 8(B); CW Inh in 1(B), 2(X), 3(BX), 4(X), 7(X),

Page 2

8(BTX), 9(X), 13(X), 15(X); **R Inh** in 2(B), 3(B), 4(B), 8(B), 13(B); **SCGI** in 1(B), 2(B), 4(BE), 5(B), 6(B), 7(B), 8(BETX), 9(B), 10(B), 13(B), 14(B), 16(B), 17(B).

On 5-2-2014, CWM submitted **45-Day Report** dated 5-2-2014 that documented scheduling conflicts since the removal of the old USTs coincided with the installation of new USTs.

MEMORANDUM FOR THE RECORD

In accordance with ISGS, ISWS, and IEPA DPWS, there are ten (10) ISGS were within 2,500 feet of the site; the closest well is approximately 475 feet from the site and there's a groundwater ordinance extending over the entire City of Moline. ISGS Circular 532, also known as the "Berg Circular" indicates this site is located within an area classified as "C5", a predominantly till with discontinuous sand and gravel locally present within fifty feet of the surface.

On 6-2-2014, CWM submitted **AM 45-Day Report** dated 6-3-2014 that documented the removal of the USTs on 5-1-2014. *The IEPA approved 45-Day Reports in a letter dated 8-29-2014.*

On 10-1-2014, three (3) soil borings {**SB-1 thru SB-3**} were drilled to depths of 10 feet bgs and four (5) monitoring wells {**MW-1 thru MW-5**} were installed to depths of 15 feet below ground surface (bgs) and. Fourteen (14) soil samples were collected and analyzed for BETX/MTBE. Analytical results indicated COCs < Tier I SROs. Groundwater flow direction was to the west-southwest (SW).

On 12-11-2014, groundwater samples were collected from MW-1 thru MW-5 and analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I GROs for **WCGI** in MW-3(B).

On 7-23-2015, CWM submitted **S2 SIP** dated 7-22-2015 that proposed to drill three (3) soil borings and complete two (2) borings as groundwater monitoring wells. Soil and groundwater samples will be collected and analyzed for BETX/MTBE. One (1) additional boring will be drilled to collect TACO parameters. *The IEPA modified S2 SIP in a letter dated 11-5-2015.*

On 4-19-2016, one (1) soil boring {**SB-4**} were advanced to depths of 10 feet bgs and two (2) monitoring wells {**MW-6, MW-7**} were installed to depths of 15 feet bgs. One (1) additional soil boring {**TACO-1**} was advanced to depths of 10 feet bgs to determine site-specific TACO parameters. Seven (7) soil samples were collected and analyzed for BETX/MTBE; plus moisture content (ω), organic carbon content (f_{oc}), soil particle density (ρ_s), soil bulk density (ρ_b), and sieve analysis. Analytical results indicated COCs < Tier I SROs and ρ_b of 1.807 g/cm³, f_{oc} of 0.00450 g/g, ρ_s of 2.637 g/cm³, ω of 18%, and sieve analysis (9.6% sand, 7.1% clay, 83.3% silt) - Soil Classification: **Silt**.

On 4-19-2016, one (1) slug test was performed on monitoring well MW-1 indicated a hydraulic conductivity value (K) of 4.91×10^{-6} cm/sec using Bouwer & Rice Method.

Page 3

On 4-20-2016, groundwater samples were collected from MW-6 and MW-7 and analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I GROs for WCGI in MW-6(BE). Groundwater flow direction was to the southwest (SW).

According to ISWS, ISGS, and SWAP, ten (10) ISGS wells are located within 2,500 feet; the closest well is approximately 475 feet from the site. There is a groundwater ordinance for the entire city of Moline.

On 7-29-2016, CWM submitted S3 SIP dated 7-28-2016 that proposed to drill two (2) offsite borings on the western adjacent property and one (1) well across 5th Avenue and complete them as groundwater monitoring wells. Groundwater samples will be collected and analyzed for BETX/MTBE. *The IEPA modified S3 SIP in a letter dated 1-23-2017.*

On 3-23-2017, Jeet Singh (dba Aman Food & Gas) filed an appeal [PCB 17-51] to review the Agency's decision to modified Singh's budgets for offsite site investigation. This case is part of a larger group of UST appeals involving the same parties [PCB 17-1] and the PCB's decision is still pending as of 11-14-2018.

Site Investigation Completion Report Review Notes:

On 11-13-2018, CWM submitted SICR dated 11-13-2018 that defined the extent of soil and groundwater contamination for this release, except for those properties considered denied access.

Illinois EPA Decision:

This PM recommends SICR should be approved.

Please note, in accordance with Section 734.350, this PM has determined that CWM was unable to obtain access to the property located at 1819 5th Avenue despite their best efforts.

Response Due:

3-13-2019

VI Incomplete Pathway Checklist

Reviewed by: Eric Kuhlman

Re: LPC #1610455194 – Rock Island County

Date Reviewed: 3-12-2019

Moline / Aman Food & Gas

1830 5th Avenue

Leaking UST Incident No. 20140247

Leaking UST Technical File

SECTION 1

- Yes No
 N/A
- Is there free product exceeding one-eighth of an inch in depth as measured in a groundwater monitoring well?
- Yes No
 N/A
- Do laboratory analytical results indicate concentrations of indicator contaminants as a result of the release from the UST that exceed the soil saturation (C_{sat}) limit as determined at 35 Ill. Adm. Code 742.220?
- Yes No
 N/A
- Is there contaminated groundwater (i.e., based upon laboratory analytical results [actual measured concentrations], levels of indicator contaminants as a result of the release from the UST that exceed Tier 1, Class I groundwater remediation objectives for the groundwater component of the groundwater ingestion route at 35 Ill. Adm. Code 742.Appendix B.Table E)?

If "No" or "N/A" is checked for all three of the above questions, continue with the final question (in Section 4) of this checklist.

If "Yes" is checked for any one or more of the three questions above, continue with the questions in Section 2 to assess the potential for PVI.

SECTION 2

- Yes No
 N/A
- Is there an interval of at least five feet of uncontaminated soil between contaminated groundwater and the lowest point of an overlying receptor (building basement, foundation, slab, or crawl space) or ground surface if there is no overlying receptor?
- Yes No
 N/A
- Is there an interval of at least 15 feet of uncontaminated soil between C_{sat} soil or free product in a groundwater monitoring well and the lowest point of an overlying receptor (building basement, foundation, slab, or crawl space) or ground surface if there is no overlying receptor?

If "No" is checked for either or both of the above two questions, investigation of PVI (via the indoor inhalation exposure route in accordance with Part 742) is required. Continue with

Page 2

Sections 3 and 4 for informational purposes only, then go to the Conclusion section and **check the box indicating that investigation of PVI is required.**

If "Yes" is checked for either or both of the above two questions, continue with the question(s) in Section 3 to assess the potential for PVI.

SECTION 3

Yes No Are there natural or man-made pathways that may allow migration of vapors to indoor receptors?

If "No" is checked, continue with the question in Section 4 to assess the potential for PVI.

If "Yes" is checked, continue with the following question.

Yes No Has the UST owner or operator provided a 20-Day Certification?

Continue with the question in Section 4 to assess the potential for PVI.

SECTION 4

Yes No Are there petroleum vapors in buildings as a result of the release from the UST?

If "No" is checked, soil gas sampling is not required. Investigation of PVI (via the indoor inhalation exposure route in accordance with Part 742) is not required.

If "Yes" is checked, investigation of PVI (via the indoor inhalation exposure route in accordance with Part 742) is required.

CONCLUSION

Based upon the results of the current review and the Illinois EPA site-specific Tier 3 evaluation:

- Investigation of PVI (via the indoor inhalation exposure route in accordance with Part 742) is required.
- Investigation of PVI is not required.

LPC #1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Leaking UST Incident No. 20140247
Leaking UST Technical File

Right-to-Know Evaluation

The Bureau of Land site identified above has been reviewed. A check mark next to any one of the following criteria indicates further evaluation of the site is necessary.

CRITERIA:

- Groundwater contamination is measured or modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier 1 groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620; or Five or fewer properties More than five properties
- Measured off-site groundwater contamination from volatile chemicals from the site where a release occurred poses a threat of indoor inhalation exposure above appropriate Tier 1 remediation objectives for the current use of the site; or Five or fewer properties More than five properties
- Soil contamination exceeding applicable remediation objectives for the soil component of the groundwater ingestion route is modeled to exceed, within the setback zone or regulated recharge area of a potable Community Water Supply (CWS) well, or setback zone of a private well or non-CWS well, either TACO Tier 1 groundwater remediation objectives under Part 742, Appendix B, Table E or Class I groundwater standards under Part 620; or Five or fewer properties More than five properties
- Contaminated soil is measured off-site to exceed the appropriate Tier 1 remediation objectives based on the current use of the off-site property; or Five or fewer properties More than five properties
- Measured off-site soil gas contamination from the site where the release occurred poses a threat of exposure above the appropriate Tier 1 remediation objectives for the current use of the site; or Five or fewer properties More than five properties
- BOL refers a matter to the Division of Legal Counsel for enforcement under Section 43(a) of the Act; or
- BOL refers a site to the Division of Legal Counsel for issuance of a seal order under Section 34(a) of the Act.

Comments:

- Has this site been referred to CEG before? N Is a second referral warranted? N
Reason for second referral: Additional Contaminants Expanded Plume Other: «Other Reasons»
- At least one of the above criteria is met and the above-identified site must be further evaluated.
- Insufficient information submitted to make an adequate RTK decision.
- None of the above criteria are met and the above-identified site does not warrant any further evaluation.

Project Manager Signature: Eric Kullman

Date: 3-12-19



Electronic Filing: Received, Clerk's Office 04/05/2023
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397
JB PRITZKER, GOVERNOR JOHN J. KIM, ACTING DIRECTOR

217/524-3300

CERTIFIED MAIL

7017 2680 0001 0208 8107

MAR 13 2019

Aman Food & Gas
Attention: Balbir Kaur
5048 Country Court
Davenport, Iowa 52807

Re: LPC #1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Leaking UST Incident No. 20140247
Leaking UST Technical File

IEPA - DIVISION OF RECORDS MANAGEMENT
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MAY 02 2019

REVIEWER: JMR

Mr. Kaur:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Site Investigation Completion Report (report) submitted for the above-referenced incident. This report, dated November 12, 2018, was received by the Illinois EPA on November 13, 2018. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The Illinois EPA has determined that the requirements of Title XVI of the Act have been satisfied (Sections 57.7(a)(5) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a)). Therefore, the report is approved.

Pursuant to Sections 57.7(b)(2) and (3) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.100, 734.125, and 734.335(a), the Illinois EPA requires submittal of a Corrective Action Plan and budget within 30 days from the date of this letter to:

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Please note that the Illinois EPA does not require the submission of a budget if the owner or operator does not intend to seek payment from the Underground Storage Tank Fund.

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

Page 2

If you have any questions or need further assistance, please contact Eric Kuhlman at 217/785-5715.

2023 04 05 14:40

Sincerely,



Michael T. Lowder
Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

M.U.

c: Matt Saladino, CWM Company, Inc. (electronic copy)
BOL File

CORRECTIVE ACTION PLAN & BUDGET

Aman Food and Gas

RECEIVED

APR 09 2019

IEPA/BOL

**MOLINE, ILLINOIS
LPC # 1610455194— Rock Island County
Incident Number 2014-0247**

Submitted to:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Leaking Underground Storage Tank Section, Bureau of Land

1021 North Grand Avenue East

Springfield, Illinois 62794-9276

Prepared by:

CW³M COMPANY, INC.

701 South Grand Avenue West
Springfield, Illinois
(217) 522-8001

400 West Jackson, Suite C
Marion, Illinois
(618) 997-2238

APRIL 2019

CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247

TABLE OF CONTENTS

APPENDICES iii

TABLES.....iv

ACRONYMS AND ABBREVIATIONSiv

1. SITE HISTORY/EXECUTIVE SUMMARY..... 1

 1.1 General..... 1

 1.2 Site Location 1

 1.3 Underground Storage Tank Information..... 1

 1.4 Early Action Summary..... 2

 1.5 Site Investigation Summary 3

 1.5.1 First Round of Sampling 3

 1.5.2 Second Round of Sampling 3

 1.5.3 Off-site Access Activities 4

 1.6 Corrective Action Executive Summary 5

2. REMEDIATION OBJECTIVES 6

 2.1 Determination of Clean-up Objectives 6

 2.2 Soil and Groundwater Objectives 7

3. CORRECTIVE ACTION PLAN 8

 3.1 Current and Projected Uses of the Site..... 9

 3.2 Institutional Controls Proposed 10

 3.3 Water Supply Well Survey 10

 3.4 Closure 11

4. REFERENCES 12

APPENDICES

- APPENDIX A Corrective Action Plan Form
- APPENDIX B Site Maps and Illustrations
- APPENDIX C OSFM Eligibility Determination
- APPENDIX D Corrective Action Plan Budget and Certifications
- APPENDIX E TACO Variables and Equations & Hydraulic Conductivity Calculations
- APPENDIX F Bore Logs and Well Completion Reports
- APPENDIX G Analytical Results

RECEIVED

APR 09 2019

IEPA/BOL

CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247

TABLES

Table 1-1. Underground Storage Tank Summary	2
Table 2-1. Soil Remediation Objectives	7
Table 2-2. Groundwater Remediation Objectives	7
Table 3-1. Water Supply Well Information	11

ACRONYMS AND ABBREVIATIONS

BETX	Benzene, Ethylbenzene, Toluene, Total Xylenes
CAP	Corrective Action Plan
CACR	Corrective Action Completion Report
CUOs	Clean-up Objectives
CW ³ M	CW ³ M Company, Inc.
IEMA	Illinois Emergency Management Agency
IEPA	Illinois Environmental Protection Agency
Ill. Adm. Code	Illinois Administrative Code
ISGS	Illinois State Geological Survey
ISWS	Illinois State Water Survey
mg/kg	Milligrams/kilograms
mg/L	Milligrams/Liter
MTBE	Methyl Tert-Butyl Ether
NFR	No Further Remediation
OSFM	Illinois Office of the State Fire Marshal
PVC	Polyvinyl Chloride
SICR	Site Investigation Completion Report
SIP	Site Investigation Plan
SWAP	Source Water Assessment Program
TACO	Tiered Approach to Corrective Action Objectives
UST	Underground Storage Tank
WCR	Well Completion Report

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

1. SITE HISTORY/EXECUTIVE SUMMARY

1.1 GENERAL

This proposed Corrective Action Plan (CAP) and Budget has been prepared in accordance with the requirements of the 35 Illinois Administrative Code (Ill. Adm. Code) 734. The Illinois Environmental Protection Agency (IEPA) Corrective Action Plan Form is included in this document as Appendix A.

The 20-Day Certification was submitted to the IEPA on March 7, 2014 (CW³M, 2014). In order to allow for the installation of new tanks which were going to be installed following underground storage tank (UST) removal, an extension of the 45-Day Reporting period was requested on April 17, 2014 (CW³M, 2014a), and approved by the IEPA on April 28, 2014 (IEPA, 2014). The 45-Day Report was submitted on May 2, 2014 (CW³M, 2014b) and approved on August 29, 2014 (IEPA, 2014a), with a 45-Day Report Addendum being submitted on June 2, 2014 (CW³M, 2014c). A Stage 2 Site Investigation Plan (SIP) and Budget was submitted to the Agency on July 23, 2015 (CW³M, 2015) and was approved, with modifications, on November 5, 2015 (IEPA, 2015). The Stage 3 SIP and Budget was submitted to the Agency on July 29, 2016 (CW³M, 2016) and was approved with modifications on January 26, 2017 (IEPA, 2017). The Site Investigation Completion Report (SICR) was submitted on November 13, 2018 (CW³M, 2018) and approved on March 13, 2019 (IEPA, 2019).

This report is certified by an Illinois Licensed Professional Engineer. The geological investigation and site investigation were performed under the direction of an Illinois Licensed Professional Geologist and completed in accordance with the Professional Geologist Licensing Act and its Rules for Administration.

1.2 SITE LOCATION

The site, known as Aman Food & Gas, is located at 1830 5th Avenue, Moline, Rock Island County, Illinois 61265. The site is located in the SW ¼ of the SE ¼ of the NE ¼ of Section 32, Township 18 North of the Centralia Baseline and Range 1 West of the Fourth Principal Meridian.

1.3 UNDERGROUND STORAGE TANK INFORMATION

On March 3, 2014, CW³M Company, Inc. (CW³M) personnel were on-site to obtain a release confirmation/waste characterization sample for potential disposal of contaminated backfill materials. CW³M personnel returned to the site on April 30, 2014 to uncover the tanks and prepare them for removal. Office of the Illinois State Fire Marshall (OSFM) Tank Specialist

CW³M Company, Inc.
 Corrective Action Plan and Budget
 Aman Food and Gas
 LPC # 1610455194 – Incident Number 2014-0247

Jeffery Hindman and CW³M personnel were at the site to supervise the removal of the USTs on May 1, 2014. The tanks were ventilated and removed along with the product piping. A narrative of the tank removals and other early action activities was provided in the 45-Day Report Addendum (CW³M, 2014c).

Table 1-1. Underground Storage Tank Summary

Tank Number	Tank Volume (gallons)	Tank Contents	Incident Number	Release Information	Status
1	5,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
2	3,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
3	4,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
4	4,000	Gasoline	-	-	In Use: Installed 5/13/2014
5	6,000	Gasoline	-	-	In Use: Installed 5/13/2014

1.4 EARLY ACTION SUMMARY

Following Illinois Emergency Management Agency (IEMA) notification of the release, Mr. Singh and Ms. Kaur requested that CW³M proceed with reporting requirements and early action activities in accordance with 35 Ill Adm. Code § 734.

While on site on March 3, 2014, CW³M personnel inspected the USTs and accessible components, and obtained a release confirmation/waste characterization sample. Details of the sample results were included in the 45-Day Report Addendum (CW³M, 2014c).

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

1.5 SITE INVESTIGATION SUMMARY

1.5.1 First Round of Sampling

On October 1, 2014, CW³M personnel were on site to conduct the Stage 1 investigation. MW-1 through MW-5 were drilled, and MW-1 through MW-4 were sampled for soil contamination. Additionally, SB-1 through SB-3 were drilled and sampled for soil contamination. All soil samples were collected from each drilling location and analyzed for benzene, ethylbenzene, toluene and total xylenes (BETX) and methyl-tert-butyl-ether (MTBE). Soil analytical results from the Stage 1 investigation indicated that the most stringent Tier 1 Clean-up Objectives (CUOs) for the site had not been exceeded at any of the soil boring locations sampled during the Stage 1 investigation.

CW³M personnel returned to the site on December 11, 2014, to survey and groundwater sample the monitoring wells, MW-1 through MW-5. Groundwater samples were analyzed for BETX and MTBE. Groundwater analytical results from the Stage 1 investigation indicated that the Class I Groundwater CUOs had been exceeded on site at MW-3 for the indicator contaminant benzene.

1.5.2 Second Round of Sampling

On April 19, 2016, CW³M personnel were on site to conduct Stage 2 investigation activities. One soil boring (SB-4) and two monitoring wells (MW-6 and MW-7), with soil samples being taken from MW-6, were advanced as part of the plume delineation activities. Soil samples were analyzed for BETX and MTBE indicator contaminants. Soil analytical results from the Stage 2 investigation indicated that the most stringent Tier 1 CUOs for the site had not been exceeded at any of the soil boring locations sampled during the Stage 2 investigation. An additional soil sample was also taken near the location of previously deemed clean well, MW-1, for the Tiered Approach to Corrective Action Objectives (TACO) parameters; this sample was also sampled for BETX and MTBE soil contamination per the IEPA's request. A slug test was also performed on this date at MW-1. The hydraulic conductivity calculations are included herein as Appendix E.

CW³M personnel returned to the site on April 20, 2016 to sample and survey the newly installed monitoring wells. Groundwater samples were analyzed for BETX and MTBE indicator contaminants. Groundwater analytical results from the Stage 2 investigation indicated that the Class I Groundwater CUOs had been exceeded on site at MW-6 for various indicator contaminants. Tables summarizing the results of all soil and groundwater sampling to date are included herein as Appendix G. Soil boring logs and well completion reports (WCRs) are included in Appendix F.

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

1.5.3 Off-site Access Activities

On July 25, 2016, a certified letter was sent to the City of Moline, owner of 1818 5th Avenue in Moline, Illinois, requesting access to the city's property for an off-site investigation. The letter was delivered on August 1, 2016.

On August 6, 2016, Maureen E. Riggs, the City Attorney for Moline, responded via mail requesting that an Access License Agreement be sent to her for review and signature.

Therefore, on August 9, 2016, an additional letter including language required by 35 Ill. Adm. Code 724.350b) was sent to Ms. Riggs, which also included an Access License Agreement.

On September 6, 2016, CW³M received copies of a signed Access License Agreement from the City of Moline granting access to their property located at 1818 5th Avenue in Moline, Illinois. The off-site investigation was to be scheduled pending resolution of access to the property at 1819 5th Avenue.

On July 25, 2016, a certified letter was sent to Monarch Investments, owner of 1819 5th Avenue in Moline, Illinois, requesting access to the owner's property for an off-site investigation. The letter was delivered on August 1, 2016.

On September 8, 2016, Ande Yahr, General Counsel of Real Estate for Monarch Investments, responded via telephone requesting that an Access License Agreement be sent to her for review and signature.

From September 8, 2016 to April 11, 2017, correspondence between Ms. Yahr and CW³M personnel continued, as requests were negotiated to modify the terms of the Access License Agreement. Because no response past these dates was made from Ms. Yahr, an additional letter including language required by 35 Ill. Adm. Code 724.350b) was sent to Monarch Investments on March 21, 2018. The letter was delivered on March 28, 2018.

On April 16, 2018, Ms. Yahr responded via telephone again requesting modifications to the Access License Agreement. After the modifications were made, a revised Access License Agreement was mailed to Ms. Yahr again for review and signature.

No response was made from Ms. Yahr until June 15, 2018, when an email was sent to her requesting a response regarding the newly revised Access License Agreement. After brief email correspondence on June 15, 2018, no response was again made from Ms. Yahr.

A final correspondence was sent to Ms. Yahr on July 13, 2018, nearly a month later, to which no response was made from Ms. Yahr. Due to no response being received, coupled with the

CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247

lengthy time frame that was used for correspondence to date with Monarch Investments, it has been determined that access is considered denied for 1819 5th Avenue in Moline, Illinois. In the time from when correspondence began with Monarch Investments to present day, the City of Moline finalized the sale of their property located at 1818 5th Avenue to Mr. Hong T. Nguyen of Hnguyuen LLC.

Therefore, on April 18, 2018, a certified letter including language required by 35 Ill. Adm. Code 724.350b) was sent to Mr. Nguyen, owner of 1818 5th Avenue in Moline, Illinois, requesting access to the owner's property for an off-site investigation. The letter additionally included an Access License Agreement for his property. The letter was delivered on April 20, 2018, to which no response has ever been made from Mr. Nguyen. It has therefore been determined that access is considered denied for 1818 5th Avenue in Moline, Illinois.

In accordance with 35 Ill. Adm. Code 734.350, affidavits will be prepared and included in the Corrective Action Completion Report (CACR), documenting the attempts to obtain access from the properties. Copies of the correspondences sent to the off-site properties were included in the SICR (CW³M, 2018).

1.6 CORRECTIVE ACTION SUMMARY

Tables comparing the site investigation analytical results to the most stringent Tier 1 Remediation Objectives are included with the analytical results in Appendix G. The soil plume was considered defined at the conclusion of the Stage 2 investigation. The plume is confined to the vicinity of the former tank field and remains on site. Drawing 0009 in Appendix B depicts the current limits of the soil contamination plume.

Tables comparing the site investigation analytical results to the most stringent Tier 1 Remediation Objectives are included with the analytical results in Appendix G. The groundwater plume was considered defined at the conclusion of the Stage 3 investigation due to denial of access to off-site properties to the west and north. The plume spans across the subject property into the right-of-way of 5th Avenue as well as onto the property immediately west of the site, but the full extent of contamination in either direction is unknown due to denial of access. However, the off-site access agreement for the property to the north of the site has since been signed and executed. A detailed description of how this is being addressed is included in Section 3. Drawing 0010 in Appendix B depicts the current limits of the groundwater contamination plume.

CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247

2. REMEDIATION OBJECTIVES

2.1 DETERMINATION OF CLEAN-UP OBJECTIVES

In accordance with 35 Ill. Adm. Code 734.410, remediation objectives were determined in accordance with 35 Ill. Adm. Code § 742. One of the clean soil boring locations (MW-1) was sampled for TACO parameters. The site-specific physical parameters have been determined as follows:

Hydraulic Conductivity (K), 1.50×10^{-4} cm/sec
Soil bulk density (r_b), 1.807 g/cm³
Soil particle density (r_s), 2.637 g/cm³
Moisture content (w), 0.18
Organic carbon content (f_{oc}), 0.45%

In order to determine the hydraulic conductivity, a slug test was performed during Stage 2 Site Investigation activities. The test was performed by lowering a “slug” constructed of polyvinyl chloride (PVC) into a previously deemed clean monitoring well, MW-1. When the slug is lowered into the well, the groundwater is displaced by the volume of the slug. As the water within the well equilibrates, water depth changes are recorded in relation to the time interval that has passed since the test was initiated.

The hydraulic conductivity calculations are based on the total well depth, screen length and radius, initial water depth, and the water depth change over time. The depth-to-water changes over time were plotted on a semi-logarithmic graph and the curve was evaluated. The slope of the straight-line portion of the curve, along with the other slug test data, is used to calculate the hydraulic conductivity.

Velocity is calculated using the hydraulic conductivity results determined at the site, as well as the hydraulic gradient. The hydraulic gradient is found by calculating the change in gradient between the most up-gradient well and the most down-gradient well, then dividing this answer by the distance in feet between the two wells. Formula R24, ($U_{gr} = K \bullet i$) of 35 Ill. Adm. Code § 742 Appendix C, Table C.

CW³M Company, Inc.
 Corrective Action Plan and Budget
 Aman Food and Gas
 LPC # 1610455194 – Incident Number 2014-0247

2.2 SOIL AND GROUNDWATER OBJECTIVES

Soil analytical results were compared to the TACO Residential Tier 1 and TACO Industrial-Commercial Tier 2 CUOs (with the groundwater pathway removed) in milligrams per kilogram (parts per million) (mg/kg). The calculations of the Tier 2 CUOs are included in Appendix E of this CAP. The site is currently zoned and used as a commercial property and plans to remain as such in the future.

Table 2-1. Soil Remediation Objectives

Parameter	TACO Residential Tier 1 Clean-up Objective (mg/kg)	TACO Industrial-Commercial Tier 2 Clean-up Objectives (w/ GW pathway removed) (mg/kg)
Benzene	0.03	4.12
Ethylbenzene	13.0	58.0
Toluene	12.0	445.06
Total Xylenes	5.6	69.95
MTBE	0.32	359.96

CW³M will consider the groundwater at this site to be Class I unless demonstrated otherwise pursuant to 35 Ill. Adm. Code § 620.210. According to the Illinois Pollution Control Board, three Class III Groundwater contributing areas exist; however, they are located in McHenry, Monroe and St. Clair Counties in northern and western Illinois. Groundwater investigation sample results would be compared to the TACO Residential Tier 1 Clean-up Objectives in milligrams per liter (mg/L).

Table 2-2. Groundwater Remediation Objectives

Parameter	TACO Residential Tier 1 Clean-up Objective (mg/L)
Benzene	0.005
Ethylbenzene	0.7
Toluene	1.0
Total Xylenes	10.0
MTBE	0.07

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

3. CORRECTIVE ACTION PLAN

Based upon the analytical data from the soil and groundwater samples collected to date, it is apparent that soil contamination is present at multiple locations, but is defined to remain on site. Groundwater contamination is present at MW-3 and MW-6. All site investigation details were presented in the SICR.

The following CAP and Budget has been prepared by CW³M Company, Inc., as their recommendation for the most appropriate and economical approach to the remediation of the contamination at the Aman Food and Gas site in Moline, Illinois. Tier 2 CUOs were developed using various parameters to help determine the most beneficial and feasible outcome.

Upon the determination of the TACO Tier 2 CUOs, it is apparent that with the acceptance of Tier 2 Industrial-Commercial CUOs for the site, the only soil contamination still exceeding Tier 2 CUOs are for the following:

- Tier 2 Industrial-Commercial Inhalation CUO at early action sample 8 for in the indicator contaminant benzene
- Tier 2 Construction Worker Inhalation CUO at early action sample 8 for the indicator contaminant benzene
- Tier 2 Construction Worker Inhalation CUO at early action samples 2, 4, and 8 for the indicator contaminant total xylenes

Multiple samples also exceed Tier 2 CUOs for the migration to groundwater category. With the use of a groundwater ordinance, which is proposed in this plan, soil contamination for all samples excluding those listed above would be considered remediated through the implementation of a TACO Tier 2 Industrial-Commercial land use limitation for the property.

Samples 2, 4, and 8 are proposed to be addressed through the use of a construction worker inhalation caution area for their immediate surroundings, as dictated in Drawing 0011 included in Appendix B. Additionally, sample 8 will also be addressed through the use of an engineered barrier for its immediate surroundings as depicted on Drawing 15.

A map of the soil to groundwater modeling in accordance with 35 Ill. Adm. Code § 742, as mentioned above, is included in Appendix B as Drawing 0012, showing that the maximum modeling distance as being 381 feet to the west-southwest with the potential to reach multiple properties off-site, calculated from the TACO calculations included in Appendix E. CW³M proposes to address this potential for soil to groundwater contamination through the use of the City of Moline's existing groundwater ordinance. The proposed ordinance would include

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

the Aman Food and Gas site as well as any off-site properties which could potentially be affected from the release. The extents of the potentially affected properties are included in Appendix B as Drawing 0013.

CW³M proposes to investigate the potential for vapor intrusion at the location of the site that has the highest contamination, the area adjacent to early action sample 8. A vapor boring will be installed and sampled at that location. The vapor sampling is required because the groundwater contamination at the site exceeds the Clean-up Objectives of 35 Ill. Adm. Code 742 Appendix B, Table H. The soil gas results obtained from the proposed vapor sampling will be compared to the Clean-up Objectives of the same table to determine if further remediation or restrictions on the property are necessary.

While on site to perform the vapor sampling, CW³M is also proposing to carry out the investigation originally proposed off-site on the property to the north of the Aman Food and Gas site, owned by MIMG LXX LeClaire, LLC. Originally scheduled to be done during Stage 3 of the site investigation, agreements could not be made with the property owner and access was eventually considered denied. Some time later, the property owner sent back signed Access License Agreements and was adamant that the investigation be carried out. At that time, however, the SICR had already been submitted. Therefore, the drilling and installation of one monitoring well on their property is being proposed as part of this investigation to further delineate the groundwater contamination plume. Since the vapor intrusion assessment is being proposed, this will only increase the drilling minimum from a PUSH to a Hollow-Stem Auger minimum payment amount. Analytical costs associated with this off-site sampling is included in the budget presented in Appendix D. A map showing the locations of the proposed monitoring well and proposed vapor intrusion boring is included in Appendix B as Drawing 0014.

The attached CAP Budget includes the preparation of this report, the proposed vapor intrusion assessment and off-site drilling/groundwater sampling, groundwater ordinance notifications, an engineered barrier, and the preparation of the CACR. The abandonment of the existing monitoring wells and the recording of the No Further Remediation (NFR) letter are also included in the proposed budget, under the assumption that no additional monitoring wells will be installed post-off-site investigation.

3.1 CURRENT AND PROJECTED USES OF THE SITE

The site lies near the river front of the city of Moline at the intersection of 5th Avenue and 19th Street. The site is surrounded by light commercial properties and a large apartment complex. The Aman Food & Gas site is currently operating as a convenience store that sells fuel.

CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247

3.2 INSTITUTIONAL CONTROLS PROPOSED

A groundwater ordinance enacted by the City of Moline will be used to address the groundwater contamination caused by the release at the Aman Food and Gas site. Notification letters will be sent to the properties included; copies of the correspondence will be included in the CACR. Because the off-site monitoring well is being proposed to the north of the site, the groundwater notification limits will not be set until the analytical results are back, which will help more accurately determine the limits needed for the ordinance notifications.

Early action samples 2, 4, and 8 are being addressed through a construction worker inhalation caution for their immediate surroundings. Additionally, early action sample 8 is being addressed through an engineered barrier for its immediate surroundings.

Finally, TACO Industrial-Commercial Tier 2 CUOs will be mandated on site to address the remaining soil contamination located at the Aman Food and Gas site. All proposed institutional controls are shown in corresponding drawings included in Appendix B.

3.3 WATER SUPPLY WELL SURVEY

A survey of water supply wells for the purpose of identifying and locating all community water supply wells within 2,500 feet of the UST systems and all potable water supply wells within 200 feet of the UST systems is has been conducted. The Illinois State Water Survey (ISWS), the Illinois State Geological Survey (ISGS) and the IEPA Division of Public Water Supplies were contacted via the Source Water Assessment Program (SWAP) online.

The ISGS, ISWS, and IEPA Division of Public Water Supplies were accessed online on March 13, 2014 (EPA.STATE.IL.US, 2014). The response indicated that ten ISGS wells are located within 2,500 feet of the site. The response stated that there is a groundwater ordinance for the entire City of Moline (R10083101).

CW³M Company, Inc.
 Corrective Action Plan and Budget
 Aman Food and Gas
 LPC # 1610455194 – Incident Number 2014-0247

Table 3-1. Water Supply Well Information

Well ID	Type	Distance from USTs (feet)	Setback Zone (feet)
00672	ISGS	2,429	200
00865	ISGS	1,056	200
23575	ISGS	1,848	200
23569	ISGS	2,059	200
23570	ISGS	2,059	200
23571	ISGS	2,059	200
23572	ISGS	2,429	200
23573	ISGS	2,429	200
23574	ISGS	2,429	200
00328	ISGS	475	200

3.4 CLOSURE

Once the vapor intrusion assessment and off-site investigation are completed, a CACR will be submitted to the IEPA. However, should the results of the vapor intrusion assessment or off-site investigation dictate that further investigation or remediation is required, it will be presented in a CAP Amendment prior to the submittal of the CACR. The closure report will be accompanied by a certification from an Illinois Registered Professional Engineer.

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

4. REFERENCES

CW³M, 2014. CW³M Company, Inc. 20-Day Certification. Aman Food & Gas, Moline, Illinois, March 7, 2014.

CW³M, 2014. CW³M Company, Inc. Request for Extension of Early Action Period. Aman Food & Gas, Moline, Illinois, April 17, 2014.

CW³M, 2014b. CW³M Company, Inc. 45-Day Report. Aman Food & Gas, Moline, Illinois, May 2, 2014.

CW³M, 2014c. CW³M Company, Inc. 45-Day Report Addendum. Aman Food & Gas, Moline, Illinois, June 2, 2014.

CW³M, 2015. CW³M Company, Inc. Stage 2 Site Investigation Plan and Budget. Aman Food & Gas, Moline, Illinois, July 23, 2015.

CW³M, 2016. CW³M Company, Inc., *Stage 3 Site Investigation Plan and Budget*, Aman Food & Gas, Moline, Illinois, July 29, 2016.

CW³M, 2018. CW³M Company, Inc. *Site Investigation Completion Report*, Aman Food & Gas, Moline, Illinois. November 13, 2018.

EPA.STATE.IL.US, 2014. Source Water Assessment Program, Water Well Survey Map www.maps.epa.state.il.us, accessed March 13, 2014.

IEPA, 2014. Illinois Environmental Protection Agency, Early Action Correspondence, Aman Food & Gas, Moline, Illinois, April 28, 2014.

IEPA, 2014a. Illinois Environmental Protection Agency, 45-Day Report Correspondence, Aman Food & Gas, Moline, Illinois, August 29, 2014.

IEPA, 2015. Illinois Environmental Protection Agency, Stage 2 Site Investigation Plan and Budget Correspondence, Aman Food & Gas, Moline, Illinois, November 5, 2015.

IEPA, 2017. Illinois Environmental Protection Agency, *Stage 3 Site Investigation Plan and Budget Correspondence*, Aman Food & Gas, Moline, Illinois, January 26, 2017.

IEPA, 2019. Illinois Environmental Protection Agency, *Site Investigation Completion Report Correspondence*, Aman Food & Gas, Moline, Illinois, March 13, 2019.

*CW³M Company, Inc.
Corrective Action Plan and Budget
Aman Food and Gas
LPC # 1610455194 – Incident Number 2014-0247*

APPENDIX A

CORRECTIVE ACTION PLAN FORM

**CORRECTIVE ACTION PLAN
AMAN FOOD AND GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Corrective Action Plan

A. Site Identification

IEMA Incident # (6- or 8-digit): 20140247

IEPA LPC# (10-digit): 1610455194

Site Name: Aman Food and Gas

Site Address (Not a P.O. Box): 1830 5th Avenue

City: Moline County: Rock Island ZIP Code: 61265

B. Site Information

1. Will the owner or operator seek reimbursement from the Underground Storage Tank Fund? Yes No

2. If yes, is the budget attached? Yes No

3. Is this an amended plan? Yes No

4. Identify the material(s) released: Gasoline

5. This Corrective Action Plan is submitted pursuant to:

a. 35 Ill. Adm. Code 731.166

b. 35 Ill. Adm. Code 732.404

c. 35 Ill. Adm. Code 734.335

C. Proposed Methods of Remediation

1. Soil TACO Tier 2 I-C Restriction, I-C Inhalation Caution, Engineered Barrier

2. Groundwater Groundwater Ordinance

D. Soil and Groundwater Investigation Results

(for incidents subject to 35 Ill. Adm. Code 731 only or 732 that were classified using Method One or Two, if not previously provided)

Provide the following:

1. Description of investigation activities performed to define the extents of soil and/or groundwater contamination;
2. Analytical results, chain-of-custody forms, and laboratory certifications;
3. Tables comparing analytical results to applicable remediation objectives;

4. Boring logs;
5. Monitoring well logs; and
6. Site maps meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and showing:
 - a. Soil sample locations;
 - b. Monitoring well locations; and
 - c. Plumes of soil and groundwater contamination.

E. Technical Information - Corrective Action Plan

Provide the following:

1. Executive summary identifying the objectives of the corrective action plan and the technical approach to be utilized to meet such objectives;
 - a. The major components (e.g., treatment, containment, removal) of the corrective action plan;
 - b. The scope of the problems to be addressed by the proposed corrective action; and
 - c. A schedule for implementation and completion of the plan;
2. Identification of the remediation objectives proposed for the site;
3. A description of the remedial technologies selected:
 - a. The feasibility of implementing the remedial technologies;
 - b. Whether the remedial technologies will perform satisfactorily and reliably until the remediation objectives are achieved; and
 - c. A schedule of when the technologies are expected to achieve the applicable remediation objectives;
4. A confirmation sampling plan that describes how the effectiveness of the corrective action activities will be monitored during their implementation and after their completion;
5. A description of the current and projected future uses of the site;
6. A description of engineered barriers or institutional controls that will be relied upon to achieve remediation objectives:
 - a. an assessment of their long-term reliability;
 - b. operating and maintenance plans; and
 - c. maps showing area covered by barriers and institutional controls;
7. The water supply well survey:
 - a. Map(s) showing locations of community water supply wells and other potable wells and the setback zone for each well;
 - b. Map(s) showing regulated recharge areas and wellhead protection areas;
 - c. Map(s) showing the current extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - d. Map(s) showing the modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - e. Tables listing the setback zone for each community water supply well and other potable water supply wells;
 - f. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and
 - g. A certification from a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and that documentation submitted includes information obtained as a result of the survey (certification of this plan satisfies this requirement);

8. Appendices:

- a. References and data sources report that are organized; and
 - b. Field logs, well logs, and reports of laboratory analyses;
9. Site map(s) meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440;
10. Engineering design specifications, diagrams, schematics, calculations, manufacturer's specifications, etc.;
11. A description of bench/pilot studies;
12. Cost comparison between proposed method of remediation and other methods of remediation;
13. For the proposed Tier 2 or 3 remediation objectives, provide the following:
- a. The equations used;
 - b. A discussion of how input variables were determined;
 - c. Map(s) depicting distances used in equations; and
 - d. Calculations; and
14. Provide documentation to demonstrate the following for alternative technologies:
- a. The proposed alternative technology has a substantial likelihood of successfully achieving compliance with all applicable regulations and remediation objectives;
 - b. The proposed alternative technology will not adversely affect human health and safety or the environment;
 - c. The owner or operator will obtain all Illinois EPA permits necessary to legally authorize use of the alternative technology;
 - d. The owner or operator will implement a program to monitor whether the requirements of subsection (14)(a) have been met;
 - e. Within one year from the date of Illinois EPA approval, the owner or operator will provide to the Illinois EPA monitoring program results establishing whether the proposed alternative technology will successfully achieve compliance with the requirements of subsection (14)(a); and
 - f. Demonstration that the cost of alternative technology will not exceed the cost of conventional technology and is not substantially higher than at least two other alternative technologies, if available and technically feasible.

F. Exposure Pathway Exclusion

Provide the following:

1. A description of the tests to be performed in determining whether the following requirements will be met:
 - a. Attenuation capacity of the soil will not be exceeded for any of the organic contaminants;
 - b. Soil saturation limit will not be exceeded for any of the organic contaminants;
 - c. Contaminated soils do not exhibit any of the reactivity characteristics of hazardous waste per 35 Ill. Adm. Code 721.123;
 - d. Contaminated soils do not exhibit a pH ≤ 2.0 or ≥ 12.5 ; and
 - e. Contaminated soils which contain arsenic, barium, cadmium, chromium, lead, mercury, or selenium (or their associated salts) do not exhibit any of the toxicity characteristics of hazardous waste per 35 Ill. Adm. Code 721.124.
2. A discussion of how any exposure pathways are to be excluded.

G. Signatures

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator

Name Aman Food & Gas
 Contact Balbir Kaur
 Address 5408 Country Court
 City Davenport
 State Iowa
 Zip Code 52807
 Phone 563-275-8189
 Signature BALBIR KAUR
 Date 3/29/19

Consultant

Company CWM Company, Inc.
 Contact Carol L. Rowe
 Address 701 South Grand Avenue West
 City Springfield
 State IL
 Zip Code 62704
 Phone 217-522-8001
 Signature [Handwritten Signature]
 Date April 9, 2019

I certify under penalty of law that all activities that are the subject of this plan were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

Licensed Professional Engineer or Geologist

Name Vince E. Smith, P.E.
 Company CWM Company, Inc.
 Address 701 South Grand Avenue West
 City Springfield
 State IL
 Zip Code 62704
 Phone 217-522-8001
 Ill. Registration No. 062-046118
 License Expiration Date 11/30/19
 Signature [Handwritten Signature]
 Date 4/9/19

L.P.E. or L.P.G. Seal



CWM Company, Inc.

Corrective Action Plan and Budget

Aman Food and Gas

LPC # 1610455194 – Incident Number 2014-0247

APPENDIX B

SITE MAPS AND ILLUSTRATIONS

CORRECTIVE ACTION PLAN AMAN FOOD AND GAS MOLINE, ILLINOIS

CW³M Company, Inc.
 Corrective Action Plan and Budget
 Aman Food and Gas
 LPC # 1610455194 – Incident Number 2014-0247

INDEX OF DRAWINGS

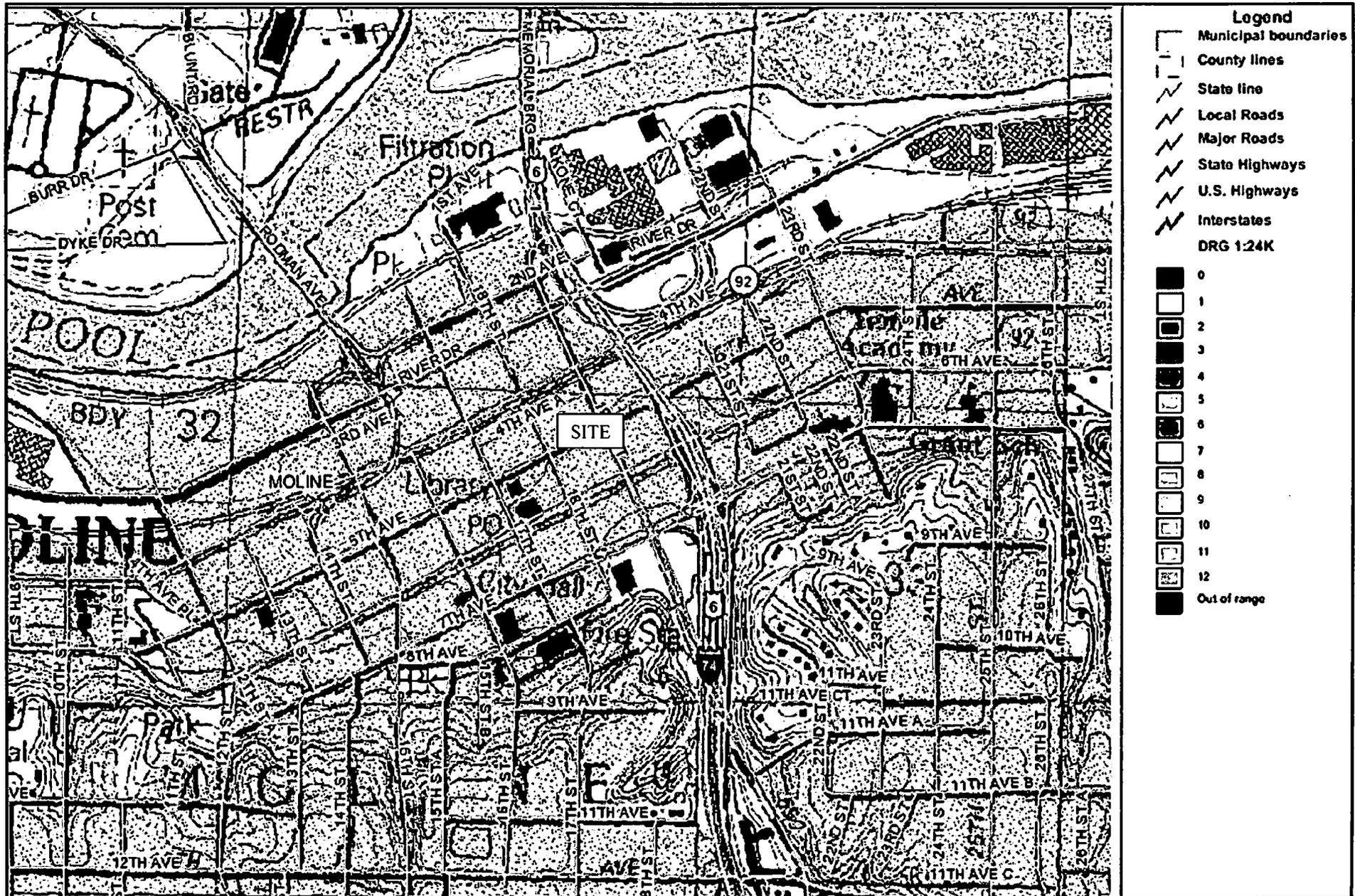
Drawing Number	Description	File Name
0001A	Site Location Map	SiteMap.doc
0001B	Topographic Map	TopoMap.doc
0001C	Surrounding Populations Map	SP.doc
0002	Site Map	Site.dwg
0003	Soil Boring Location Map	SBLoc.dwg
0004	Monitoring Well Location Map	MWLoc.dwg
0005	Monitoring Well Elevation Map	MWElev.dwg
0006A	Groundwater Flow Map (October 2014)	GW1014.dwg
0006B	Groundwater Flow Map (April 2016)	GW0416.dwg
0007A	Soil Contamination Values Map (0-5 Feet)	SoilCon0-5.dwg
0007B	Soil Contamination Values Map (5-10 Feet)	SoilCon5-10.dwg
0008	Groundwater Contamination Values Map	GWcont.dwg
0009	Soil Contamination Plume Map	SPlume.dwg
0010	Groundwater Contamination Plume Map	GWPlume.dwg
0011	Proposed Caution Areas Map	Caution.dwg
0012	TACO Parameters and Modeling Map	TACO.dwg
0013	Proposed Groundwater Ordinance Map	GWOrd.dwg
0014	Proposed Soil-Gas Vapor Boring/Monitoring Well Location Map	PSBMW.dwg
0015	Engineered Barrier Map	EngBar.dwg

**The appearance of some of the images
following this page is due to**

Poor Quality Original Documents

and not the scanning or filming processes.

**Com Microfilm Company
(217) 525-5860**



Legend

- Municipal boundaries
- County lines
- State line
- Local Roads
- Major Roads
- State Highways
- U.S. Highways
- Interstates

DRG 1:24K

0
1
2
3
4
5
6
7
8
9
10
11
12
Out of range

000424

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Topographic Map
1830 5th Avenue
Moline, Illinois

Drawn By: BMW
Reviewed By: CLR
Drawing 0001B
TopoMap.doc



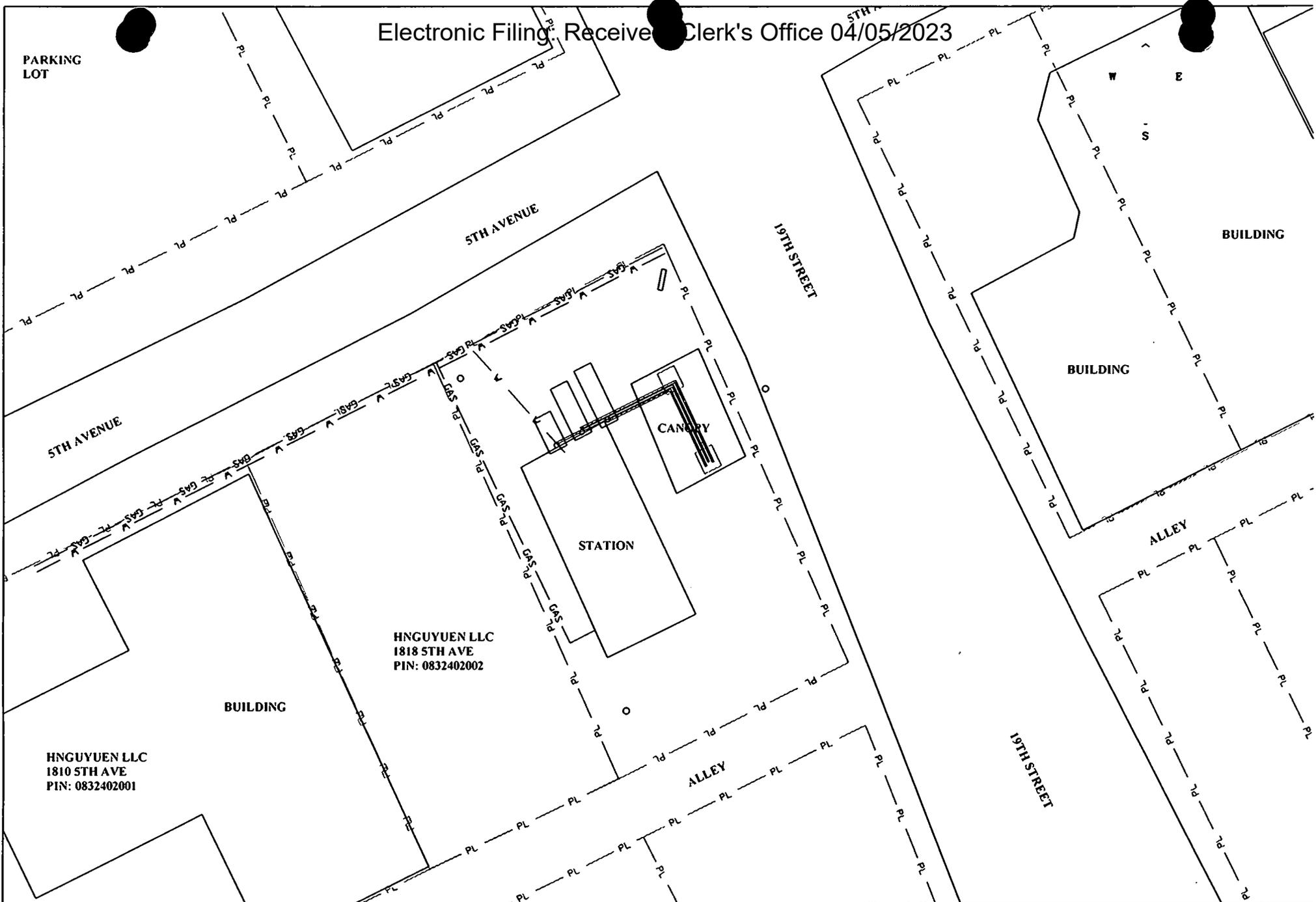
000425

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Surrounding Populations Map
1830 5th Avenue
Moline, Illinois

Drawn By: CBMW
Reviewed By: CLR
Drawing 0001C
SP.doc

PARKING LOT



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

HNGUYEN LLC
1810 5TH AVE
PIN: 0832402001

BUILDING

STATION

CANOPY

BUILDING

BUILDING

ALLEY

ALLEY

000426
CW M COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

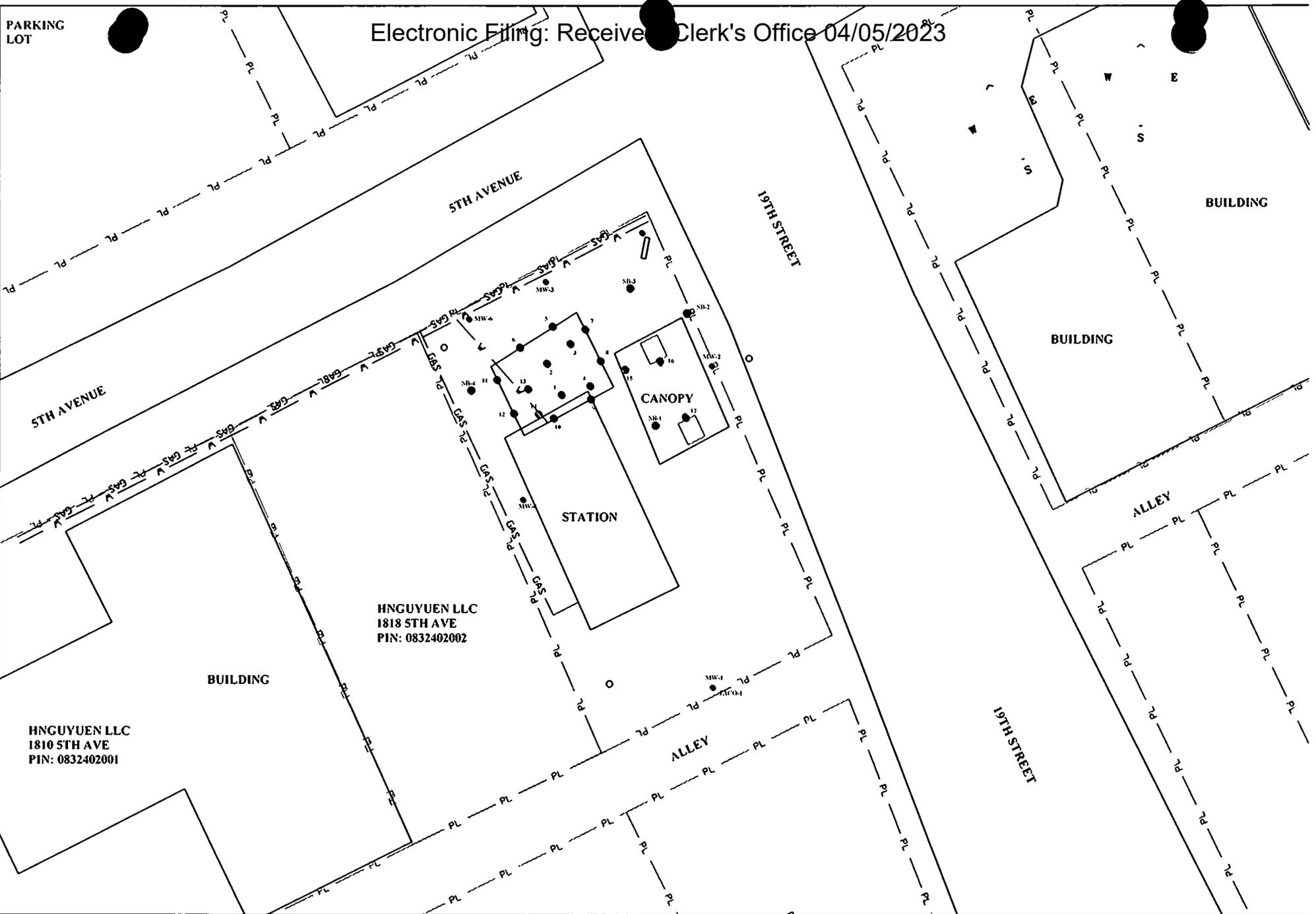
AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

SITE MAP

DATE: 9/5/13
REVISED DATE: 3/29/19
SCALE 1"=30'
DRAWING: 0002

DRAWN BY: MDR
REVISED BY: MJS
REVIEWED BY: CLR
SITE.DWG

PARKING LOT



CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

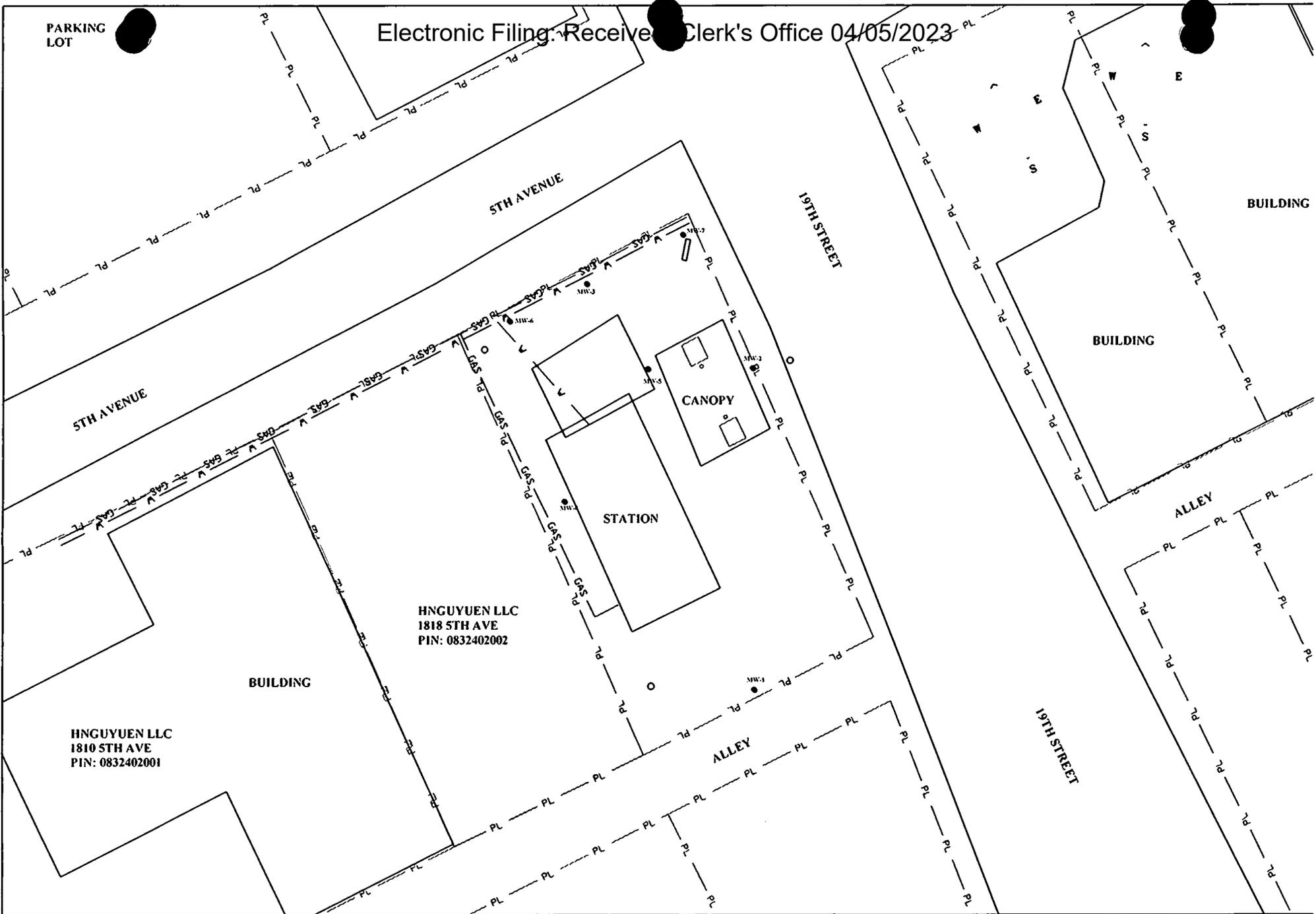
AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**SOIL BORING
 LOCATION MAP**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0003

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SBLOC.DWG

PARKING LOT



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

HNGUYEN LLC
1810 5TH AVE
PIN: 0832402001

BUILDING

BUILDING

BUILDING

ALLEY

ALLEY

19TH STREET

5TH AVENUE

5TH AVENUE

19TH STREET

000428
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

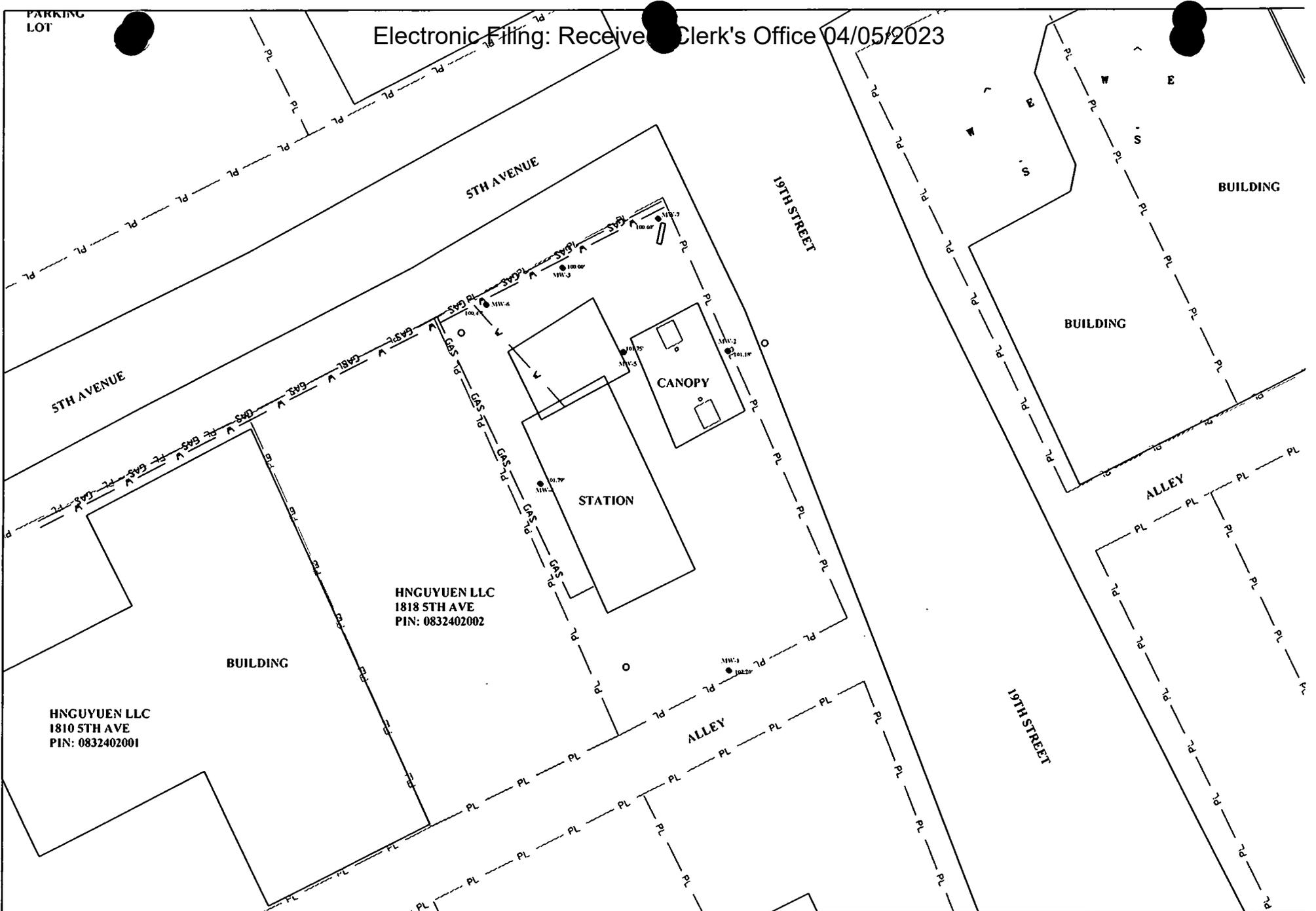
MONITORING WELL
LOCATION MAP

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0004

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
MWLOC.DWG

PARKING LOT

Electronic Filing: Receiver Clerk's Office 04/05/2023



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

HNGUYEN LLC
1810 5TH AVE
PIN: 0832402001

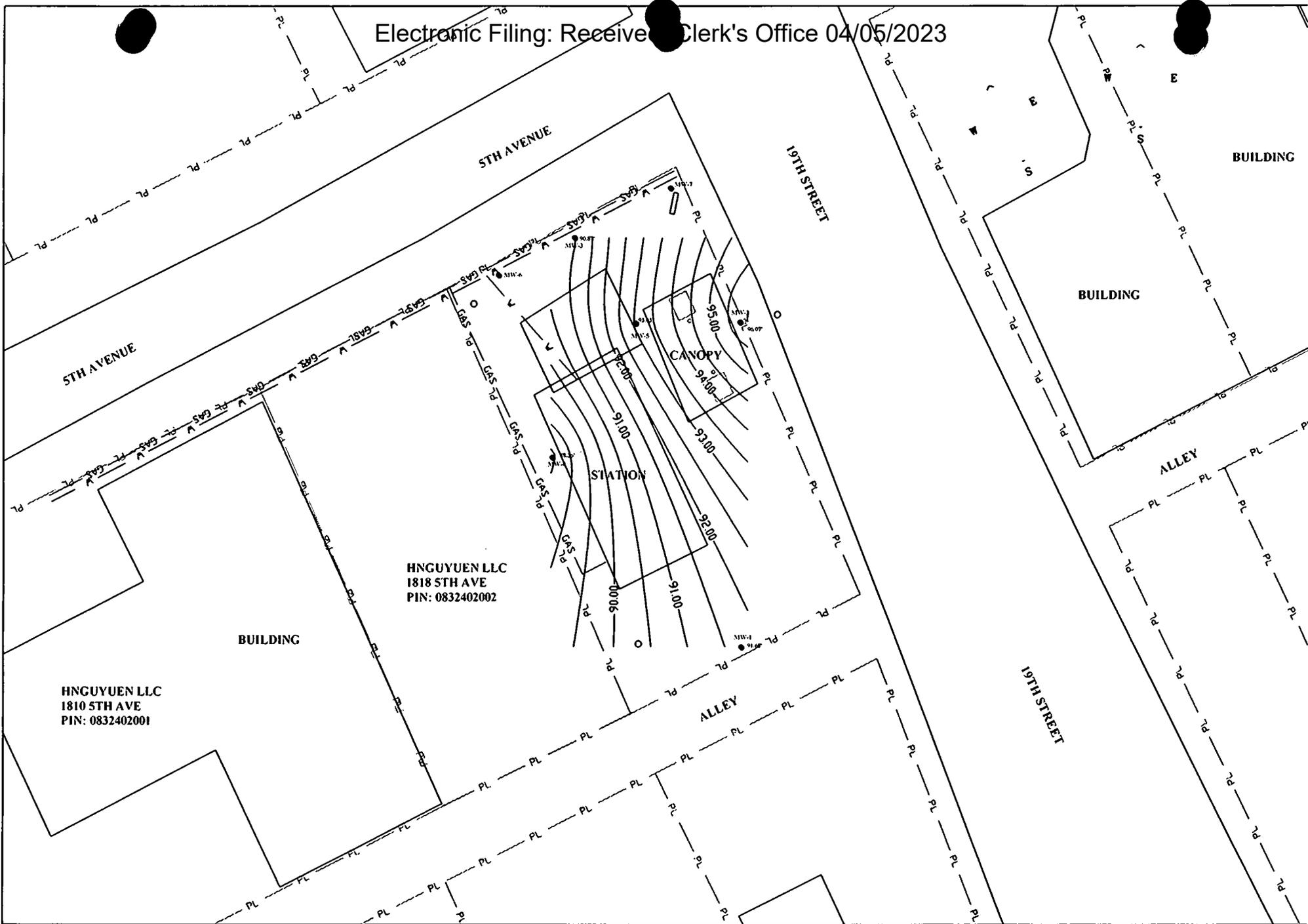
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CW M COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

MONITORING WELL
ELEVATION MAP

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0005

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
MWELEV.DWG



000030
 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

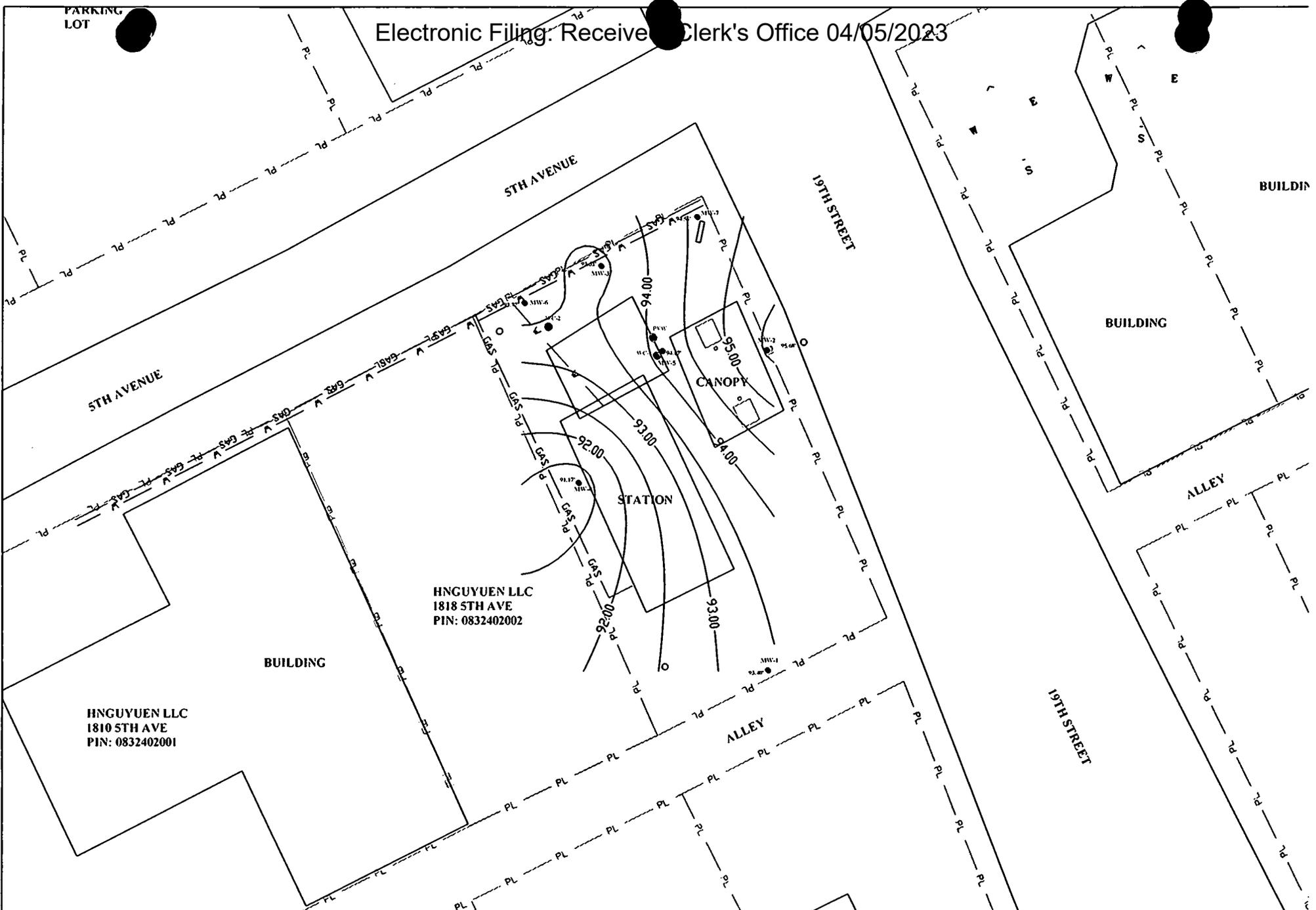
GROUNDWATER
 FLOW MAP
 (OCTOBER 2014)

DATE: 1/9/2014
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0006A

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 GW1014.DWG

PARKING LOT

Electronic Filing: Receiver Clerk's Office 04/05/2023



000431
 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

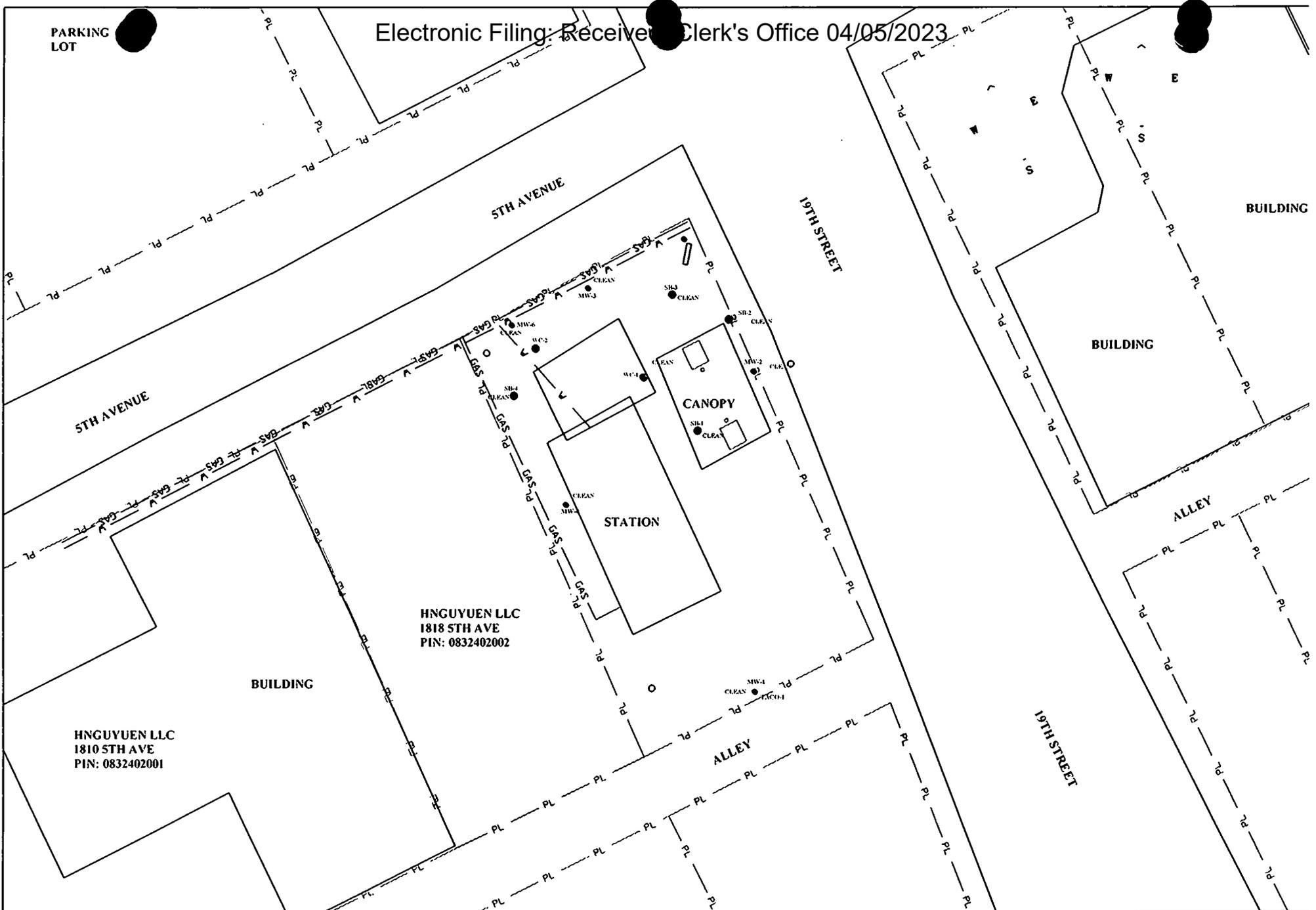
AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**GROUNDWATER FLOW
 MAP (APRIL 2016)**

DATE: 6/22/16
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0006B

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 GW0416.DWG

PARKING LOT



HNGUYEN LLC
1818 STH AVE
PIN: 0832402002

HNGUYEN LLC
1810 STH AVE
PIN: 0832402001

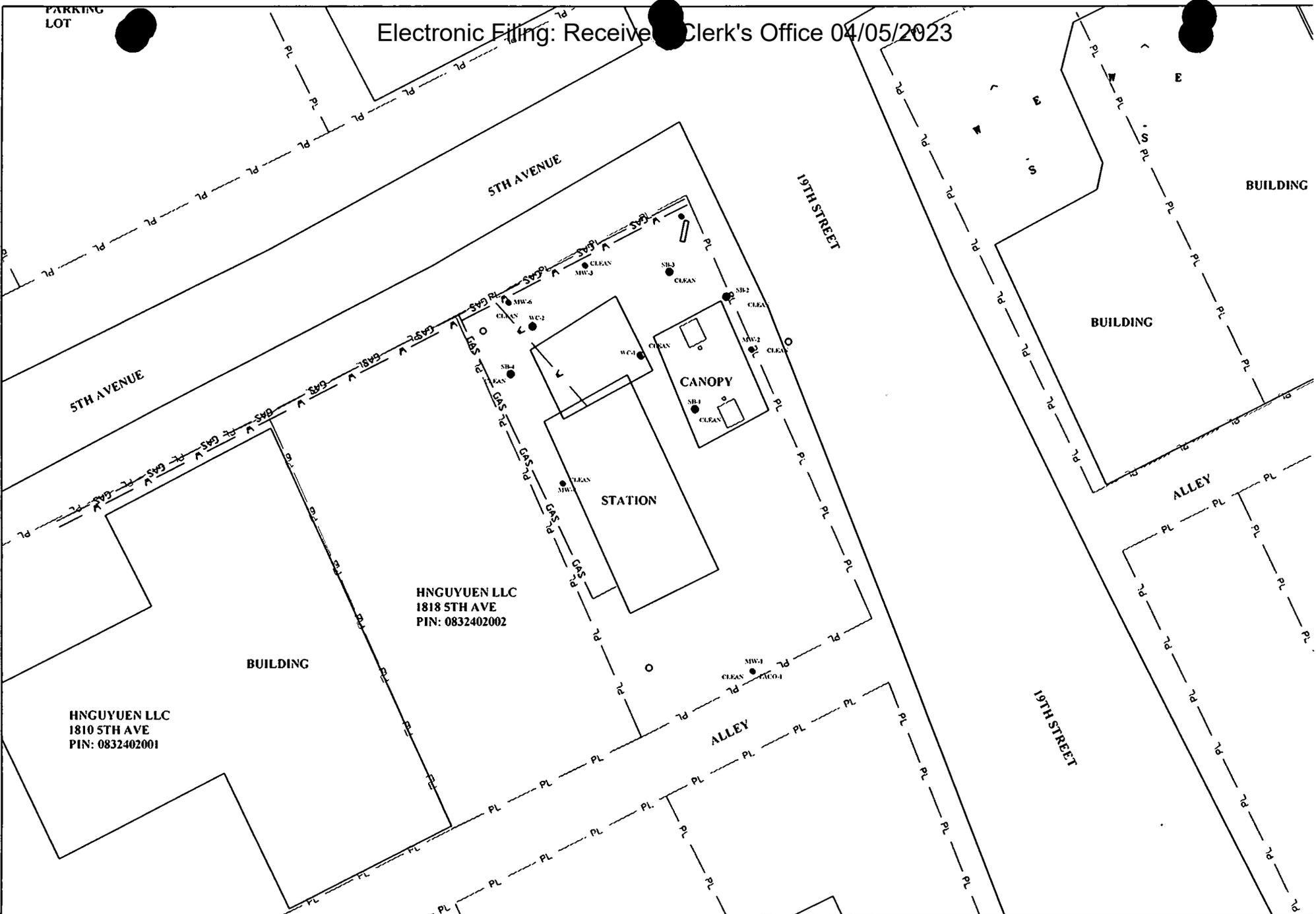
000432
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

SOIL CONTAMINATION
VALUES MAP (0-5 FEET)

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0007A

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SOILCON0-5.DWG



000433
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

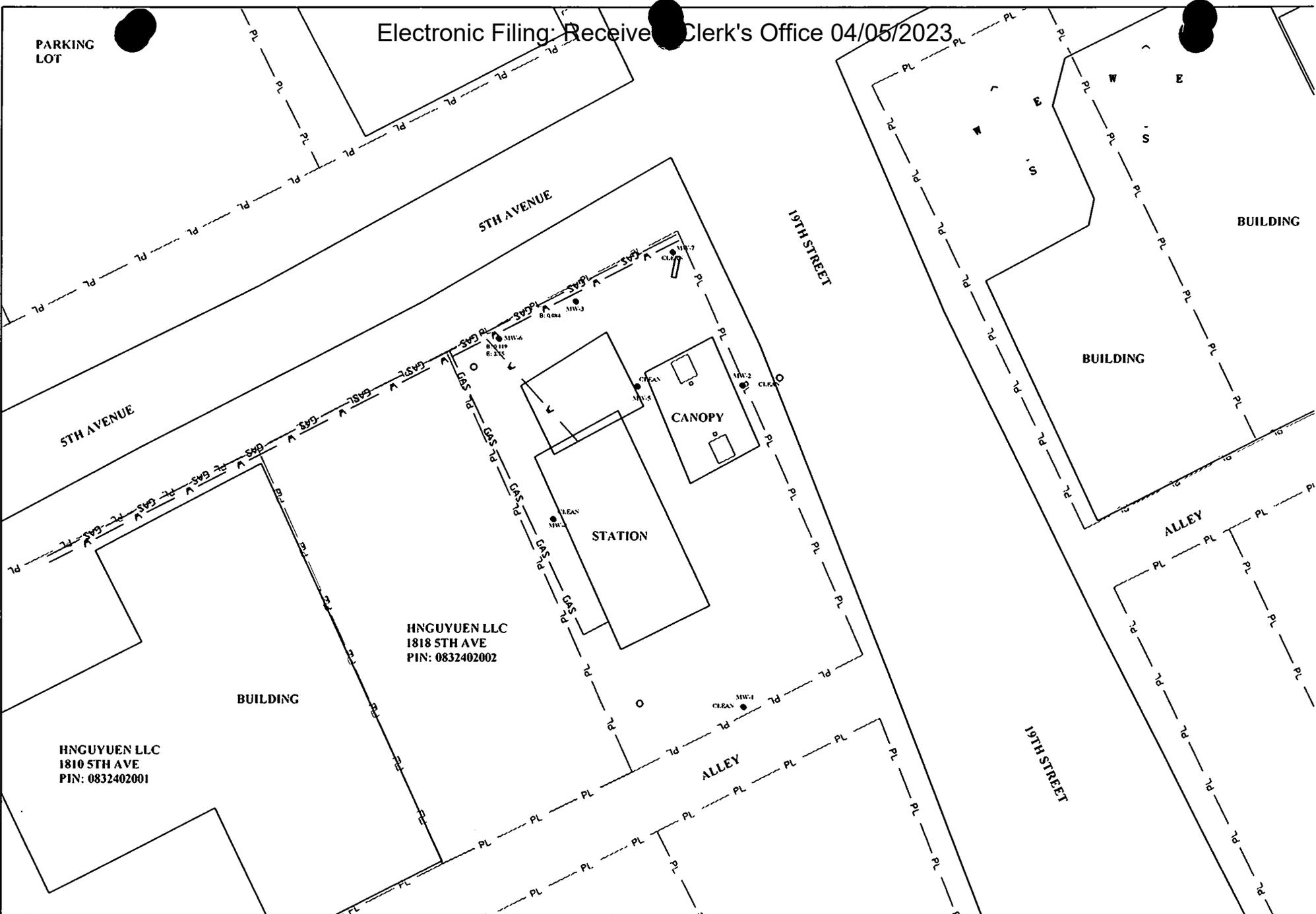
AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

SOIL CONTAMINATION
VALUES MAP (5-10 FEET)

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0007B

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SOILCON5-10.DWG

PARKING LOT



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

HNGUYEN LLC
1810 5TH AVE
PIN: 0832402001

BUILDING

STATION

CANOPY

BUILDING

BUILDING

ALLEY

ALLEY

19TH STREET

5TH AVENUE

19TH STREET

5TH AVENUE

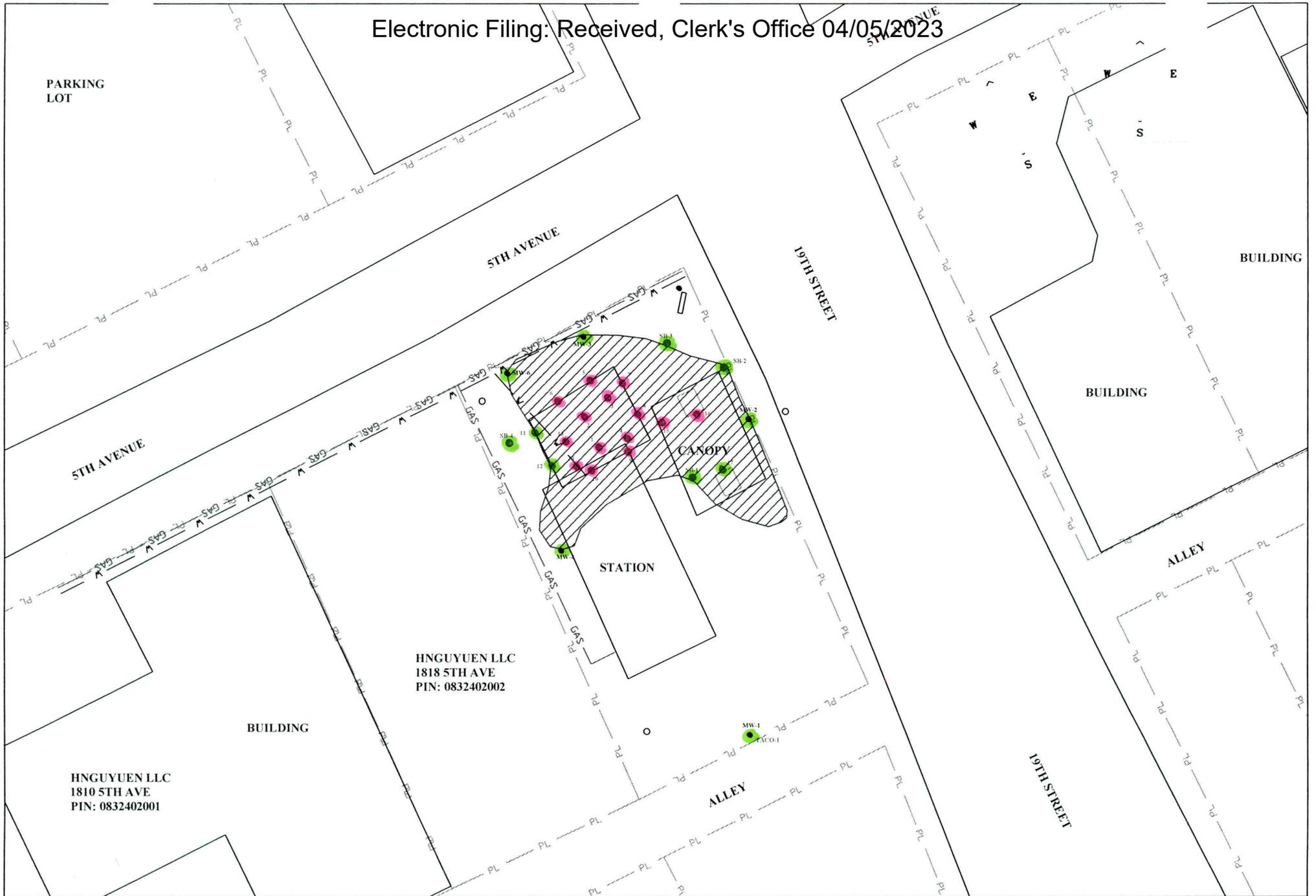
000734
CW[®]M COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

**GROUNDWATER
CONTAMINATION
VALUES MAP**

DATE: 1/9/2014
REVISED DATE: 6/22/16
SCALE 1"=30'
DRAWING: 0008

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
GWCON.DWG



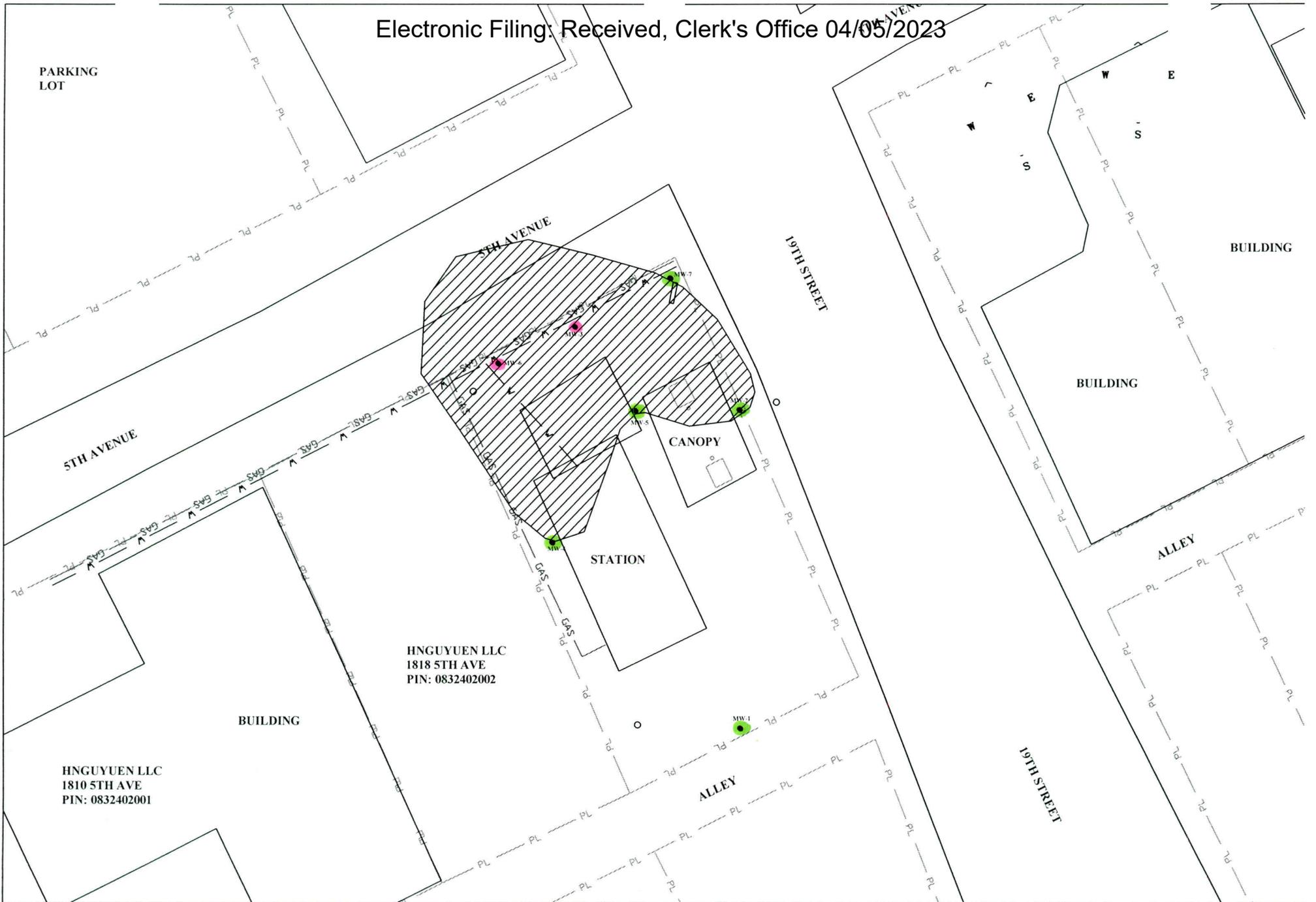
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**SOIL CONTAMINATION
 PLUME MAP**

DATE: 9/13/18
REVISED DATE:
SCALE 1"=30'
DRAWING: 0009

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
SPLUME.DWG
 000435



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

HNGUYEN LLC
1810 5TH AVE
PIN: 0832402001

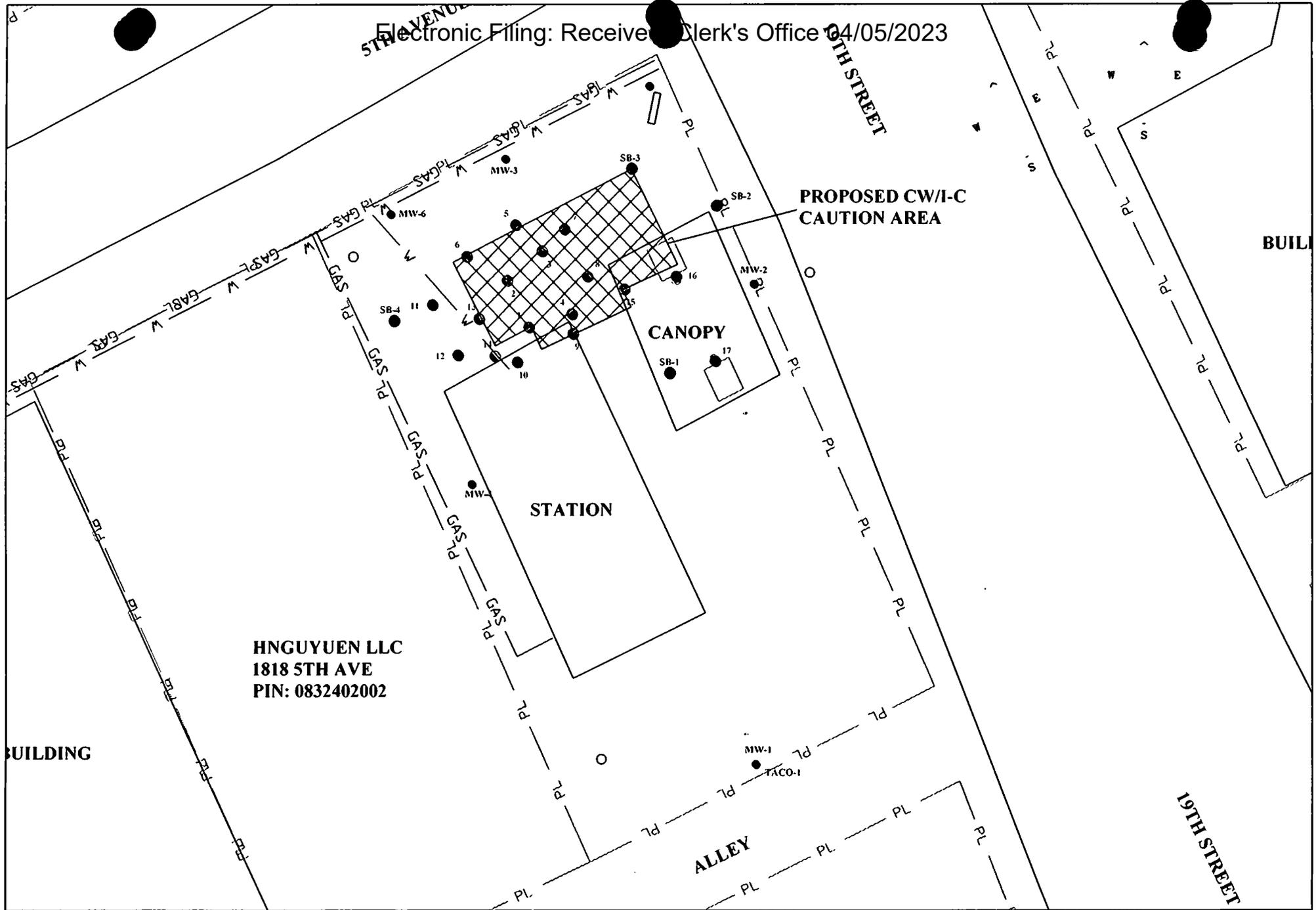
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

**GROUNDWATER
CONTAMINATION
PLUME MAP**

DATE: 9/13/18
REVISED DATE:
SCALE 1"=30'
DRAWING: 0010

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
GWPLUME.DWG



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

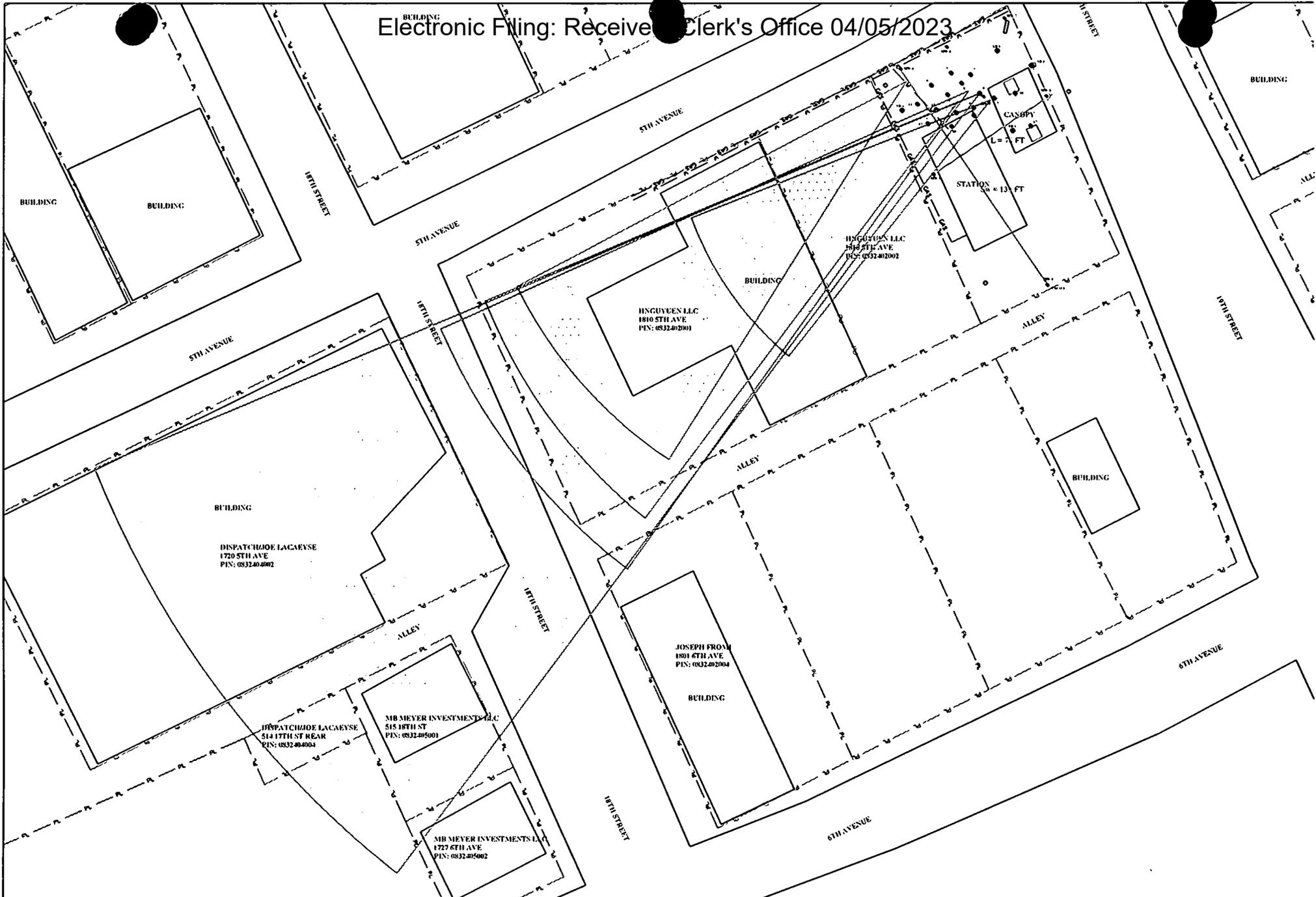
000437
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

**PROPOSED
CONSTRUCTION
WORKER CAUTION
AREAS MAP**

DATE: 3/29/19
REVISED DATE:
SCALE 1"=20'
DRAWING: 0011

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
CAUTION.DWG



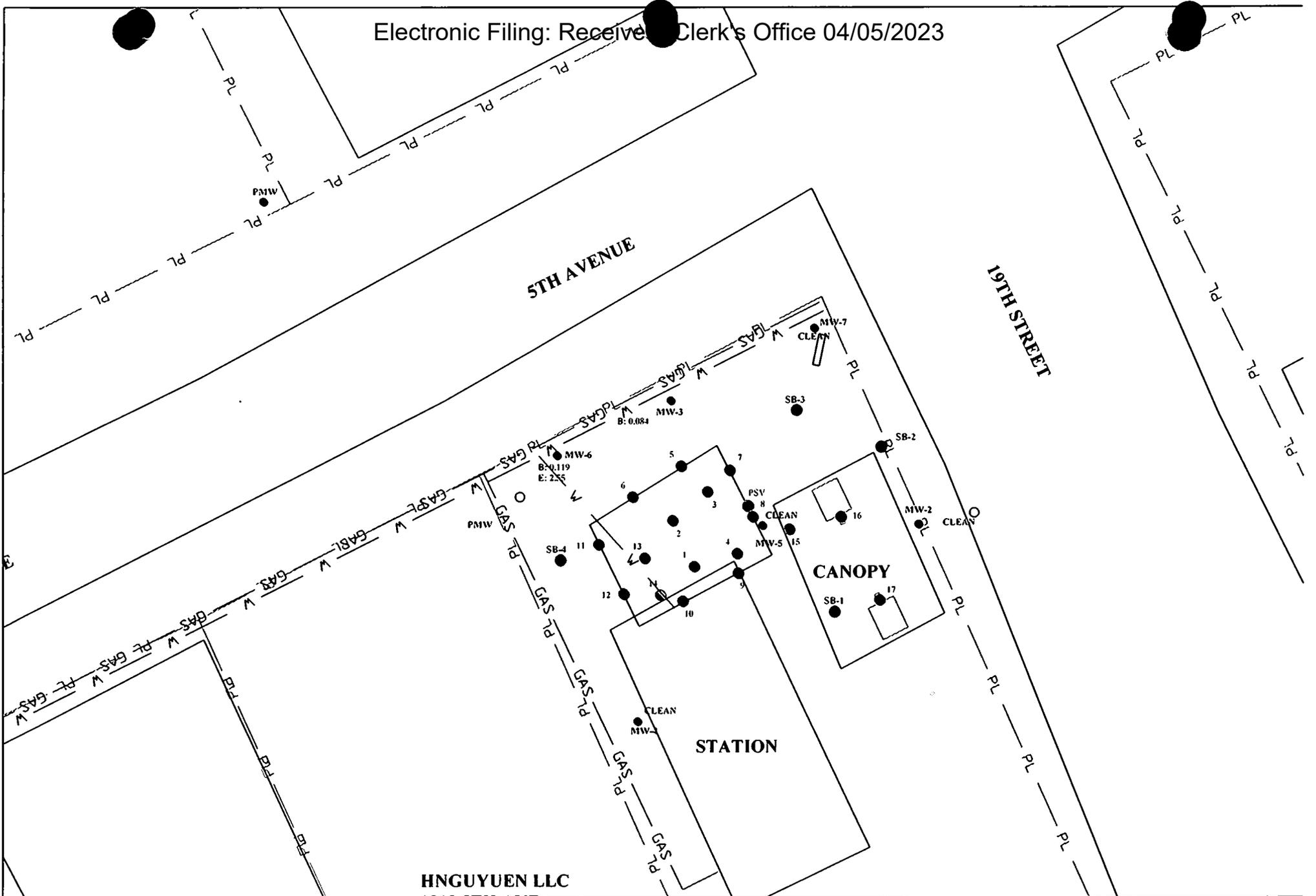
000438
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

**TACO PARAMETERS AND
 MODELING MAP**

DATE: 3/29/19
REVISED DATE:
SCALE 1"=50'
DRAWING: 0012

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
TACO.DWG



HNGUYEN LLC

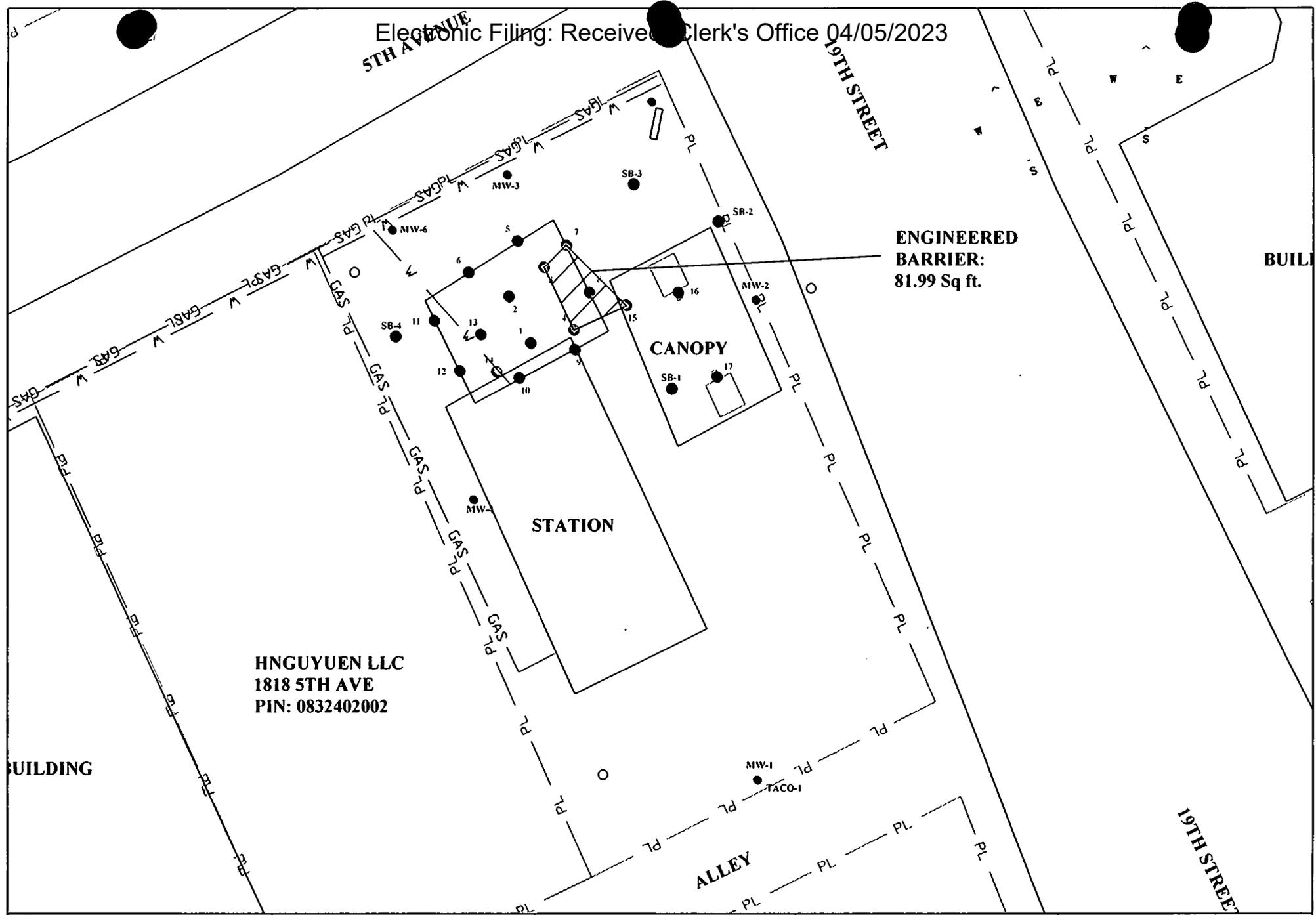
CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

PROPOSED SOIL-GAS
**VAPOR BORING/
 MONITORING WELL**
LOCATION MAP

DATE: 3/29/19
REVISED DATE:
SCALE 1"=20'
DRAWING: 0014

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
PSBMW.DWG



HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

**ENGINEERED
BARRIER:
81.99 Sq ft.**

CANOPY

STATION

BUILDING

BUILDING

ALLEY

19TH STREET

000441
CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

**ENGINEERED BARRIER
MAP**

DATE: 4/9/2019
REVISED DATE:
SCALE 1"=20'
DRAWING: 0015

DRAWN BY: JKK
REVISED BY:
REVIEWED BY: CLR
EngBar.DWG

APPENDIX C
OSFM ELIGIBILITY DETERMINATION

CORRECTIVE ACTION PLAN
AMAN FOOD AND GAS
MOLINE, ILLINOIS

State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"



CERTIFIED MAIL - RECEIPT REQUESTED #7014 1820 0001 3148 5009

January 8, 2015

Jeet Singh
c/o CW3M Company
P.O. Box 571
Carlinville, IL 62626

In Re: Facility No. 3-008580
IEMA Incident No. 14-0247
Aman Food & Gas
1830 5th Avenue
Moline, Rock Island Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on November 17, 2014 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

It has been determined that you are eligible to seek payment of costs in excess of \$5,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 1 5,000 gallon Gasoline
Tank 2 3,000 gallon Gasoline
Tank 3 4,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government,
2. The tank does not contain fuel which is exempt from the Motor Fuel Tax Law,
3. The costs were incurred as a result of a confirmed release of any of the following substances:

"Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

Aviation fuel

Heating oil

Kerosene

Electronic Filing: Received, Clerk's Office 04/05/2023

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.
5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.
6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.
7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.504(b)).

For information regarding the filing of an appeal, please contact:

Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620

The following tanks are also listed for this site:

Tank 4 4,000 gallon Gasoline
Tank 5 6,000 gallon Gasoline

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,



Deanne Lock
Administrative Assistant
Division of Petroleum and Chemical Safety

cc: IEPA
CW3M Company

APPENDIX D

**CORRECTIVE ACTION PLAN BUDGET AND
CERTIFICATION**

**CORRECTIVE ACTION PLAN
AMAN FOOD AND GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

General Information for the Budget and Billing Forms

LPC #: 1610455194 County: Rock Island

City: Moline Site Name: Aman Food & Gas

Site Address: 1830 5th Avenue

IEMA Incident No.: 2014-0247

IEMA Notification Date: Mar 3, 2014

Date this form was prepared: Mar 26, 2019

This form is being submitted as a (check one, if applicable):

- Budget Proposal
- Budget Amendment (Budget amendments must include only the costs over the previous budget.)
- Billing Package

Please provide the name(s) and date(s) of report(s) documenting the costs requested.

Name(s): _____

Date(s): _____

RECEIVED

APR 09 2019

IEPA/BOL

This package is being submitted for the site activities indicated below:

35 Ill. Adm. Code 734:

- Early Action
- Free Product Removal after Early Action
- Site Investigation Stage 1: Stage 2: Stage 3:
- Corrective Action Actual Costs

35 Ill. Adm. Code 732:

- Early Action
- Free Product Removal after Early Action
- Site Classification
- Low Priority Corrective Action
- High Priority Corrective Action

35 Ill. Adm. Code 731:

- Site Investigation
- Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

Pay to the order of: Balbir Kaur

Send in care of: CWM Company, Inc.

Address: P.O. Box 571

City: Carlinville

State: IL

Zip: 62626

The payee is the: Owner Operator (Check one or both.)

BALBIR KAUR

Signature of the owner or operator of the UST(s) (required)

W-9 must be submitted.

[Click here to print off a W-9 Form.](#)

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Number of USTs at the site: 5 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 2

Incident Numbers assigned to the site due to releases from USTs: 2003-0936 2014-0247

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	5,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	3,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Gasoline	6,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Add More Rows

Undo Last Add

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 2014-0247. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal fees or costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

RECEIVED
APR 09 2019
IEPA/BOL

Owner/Operator: Aman Food & Gas

Authorized Representative: Balbir Kaur

Title: Owner

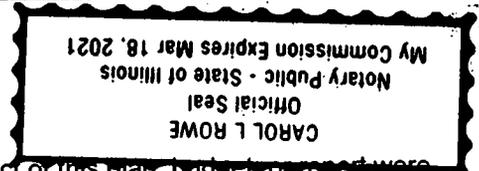
Signature: BALBIR KAUR

Date: 3/29/19

Subscribed and sworn to before me the 29th day of March 2019

(Notary Public)

Seal:



In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

L.P.E./L.P.G.: Vince E. Smith

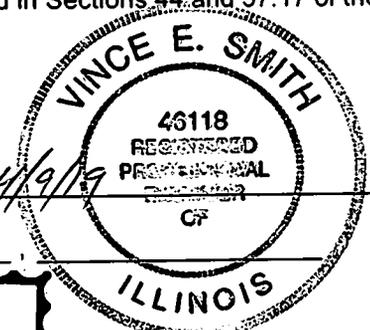
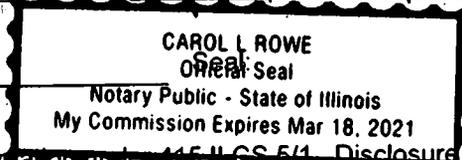
L.P.E./L.P.G. Seal:

L.P.E./L.P.G. Signature: Vince E. Smith

Date: 4/9/19

Subscribed and sworn to before me the 9th day of April 2019

(Notary Public)



The Illinois EPA is authorized to require this information under 415 ILCS 5/41. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

Budget Summary

Choose the applicable regulation: 734 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
Drilling and Monitoring Well Costs Form	\$	\$	\$	\$	\$ 2,253.19
Analytical Costs Form	\$	\$	\$	\$	\$ 593.38
Remediation and Disposal Costs Form	\$	\$	\$	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$ 2,008.40
Consulting Personnel Costs Form	\$	\$	\$	\$	\$ 32,113.58
Consultant's Materials Costs Form	\$	\$	\$	\$	\$ 850.00
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	\$	\$	\$	\$	\$ 37,818.55

Drilling and Monitoring Well Costs Form

1. Drilling

Number of Borings to Be Drilled	Type HSA/PUSH/ Injection	Depth (feet) of Each Boring	Total Feet Drilled	Reason for Drilling
1	PUSH	4.00	4.00	Soil-Gas Vapor Sample
1	HSA	15.00	15.00	Groundwater Plume Delineation

Subpart H minimum payment amount applies.

	Total Feet	Rate per Foot (\$)	Total Cost (\$)
Total Feet via HSA:	15.00	29.65	444.75
Total Feet via PUSH:	4.00	23.21	92.84
Total Feet for Injection via PUSH:			
Total Drilling Costs:			1,933.99

2. Monitoring / Recovery Wells

Number of Wells	Type of Well HSA / PUSH / 4" or 6" Recovery / 8" Recovery	Diameter of Well (inches)	Depth of Well (feet)	Total Feet of Wells to Be Installed (\$)
1	HSA	2.00	15.00	15.00

Well Installation	Total Feet	Rate per Foot (\$)	Total Cost (\$)
Total Feet via HSA:	15.00	21.28	319.20
Total Feet via PUSH:			
Total Feet of 4" or 6" Recovery:			
Total Feet of 8" or Greater Recovery:			
Total Well Costs:			319.20

Total Drilling and Monitoring Well Costs:	\$2,253.19
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Analytical Costs Form

Laboratory Analysis	Number of Samples		Cost (\$) per Analysis		Total per Parameter
Chemical Analysis					
BETX Soil with MTBE EPA 8260		X		=	
BETX Water with MTBE EPA 8260	1	X	104.44	=	\$104.44
COD (Chemical Oxygen Demand)		X		=	
Corrosivity		X		=	
Flash Point or Ignitability Analysis EPA 1010		X		=	
Fraction Organic Carbon Content (f _{OC}) ASTM-D 2974-00		X		=	
Fat, Oil, & Grease (FOG)		X		=	
LUST Pollutants Soil - analysis must include volatile, base/neutral, polynuclear aromatics and metals list in Section 732. Appendix B and 734. Appendix B		X		=	
Dissolved Oxygen (DO)		X		=	
Paint Filter (Free Liquids)		X		=	
PCB / Pesticides (combination)		X		=	
PCBs		X		=	
Pesticides		X		=	
pH		X		=	
Phenol		X		=	
Polynuclear Aromatics PNA, or PAH SOIL EPA 8270		X		=	
Polynuclear Aromatics PNA, or PAH WATER EPA 8270		X		=	
Reactivity		X		=	
SVOC - Soil (Semi-Volatile Organic Compounds)		X		=	
SVOC - Water (Semi-Volatile Organic Compounds)		X		=	
TKN (Total Kjeldahl) "nitrogen"		X		=	
TPH (Total Petroleum Hydrocarbons)		X		=	
VOC (Volatile Organic Compounds) - Soil (Non-Aqueous)		X		=	
VOC (Volatile Organic Compounds) - Water		X		=	
Vapor Intrusion Sampling	1	X	300.00	=	\$300.00
Regulator Rental	1	X	25.00	=	\$25.00
Air Canister Rental	1	X	35.00	=	\$35.00
		X		=	
		X		=	
Geo-Technical Analysis					
Soil Bulk Density (p _b) ASTM D2937-94		X		=	
Ex-situ Hydraulic Conductivity / Permeability		X		=	
Moisture Content (w) ASTM D2216-92 / D4643-93		X		=	
Porosity		X		=	
Rock Hydraulic Conductivity Ex-situ		X		=	
Sieve / Particle Size Analysis ASTM D422-63 / D1140-54		X		=	
Soil Classification ASTM D2488-90 / D2487-90		X		=	
Soil Particle Density (p _s) ASTM D854-92		X		=	
		X		=	
		X		=	
		X		=	

Analytical Costs Form

Metals Analysis					
Soil preparation fee for Metals TCLP Soil (one fee per soil sample)		X		=	
Soil preparation fee for Metals Total Soil (one fee per soil sample)		X		=	
Water preparation fee for Metals Water (one fee per water sample)		X		=	
Arsenic TCLP Soil		X		=	
Arsenic Total Soil		X		=	
Arsenic Water		X		=	
Barium TCLP Soil		X		=	
Barium Total Soil		X		=	
Barium Water		X		=	
Cadmium TCLP Soil		X		=	
Cadmium Total Soil		X		=	
Cadmium Water		X		=	
Chromium TCLP Soil		X		=	
Chromium Total Soil		X		=	
Chromium Water		X		=	
Cyanide TCLP Soil		X		=	
Cyanide Total Soil		X		=	
Cyanide Water		X		=	
Iron TCLP Soil		X		=	
Iron Total Soil		X		=	
Iron Water		X		=	
Lead TCLP Soil		X		=	
Lead Total Soil		X		=	
Lead Water		X		=	
Mercury TCLP Soil		X		=	
Mercury Total Soil		X		=	
Mercury Water		X		=	
Selenium TCLP Soil		X		=	
Selenium Total Soil		X		=	
Selenium Water		X		=	
Silver TCLP Soil		X		=	
Silver Total Soil		X		=	
Silver Water		X		=	
Metals TCLP Soil (a combination of all metals) RCRA		X		=	
Metals Total Soil (a combination of all metals) RCRA		X		=	
Metals Water (a combination of all metals) RCRA		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Other					
EnCore® Sampler, purge-and-trap sampler, or equivalent sampling device		X		=	
Sample Shipping per sampling event ¹	2	X	64.47	=	\$128.94

¹A sampling event, at a minimum, is all samples (soil and groundwater) collected in a calendar day.

Total Analytical Costs: \$ 593.38

Paving, Demolition, and Well Abandonment Costs Form

A. Concrete and Asphalt Placement/Replacement

Number of Square Feet	Asphalt or Concrete	Thickness (inches)	Cost (\$) per Square Foot	Replacement or Placement for an Engineered Barrier	Total Cost
81.99	Concrete	6.00	5.63	Placement	\$461.60

Total Concrete and Asphalt Placement/Replacement Costs:	\$461.60
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B. Building Destruction or Dismantling and Canopy Removal

Item to Be Destroyed, Dismantled, or Removed	Unit Cost (\$)	Total Cost (\$)

Total Building Destruction or Dismantling and Canopy Removal Costs:	
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Consulting Personnel Costs Form

Employee Name		Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task				
		Senior Prof. Engineer	2.00	167.61	\$335.22
CCAP	Report Review and Certification				
		Senior Draftperson/CAD	6.00	77.35	\$464.10
CCAP	Drafting and Editing Maps for Report				
		Engineer III	36.00	128.93	\$4,641.48
CCAP	Corrective Action Design / Report Development / IEPA Correspondence				
		Senior Admin. Assistant	2.00	58.02	\$116.04
CCAP	Report Compilation, Assembly, and Distribution				
		Senior Project Manager	8.00	128.93	\$1,031.44
TACO 2 or 3	TACO Tier 2 Calculations / Development and Application of CUOs				
		Senior Project Manager	6.00	128.93	\$773.58
TACO 2 or 3	Groundwater Flow Calculation / Groundwater Modeling				

Electronic Filing: Received, Clerk's Office 04/05/2023

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	18.00	128.93	\$2,320.74
CCAP-Budget	Budget Preparation			
	Senior Prof. Engineer	2.00	167.61	\$335.22
CCAP-Budget	Budget Review & Certification			

Electronic Filing: Received, Clerk's Office 04/05/2023

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	6.00	128.93	\$773.58
CCA-Field	Field Prep, Scheduling, Arrangements / Notifications / Activities for Drilling/Sampling/ Utilities/JULIEs			
	Engineer III	11.00	128.93	\$1,418.23
CCA-Field	Drilling / Vapor Sampling / Materials / Drilling / Construction / Field Readings			
	Project Manager	9.00	116.04	\$1,044.36
CCA-Field	Drilling / Vapor Sampling			
	Senior Project Manager	8.00	128.93	\$1,031.44
CCA-Field	Eng. Barrier Construction Map / Plan / Arrangements / Documentation			
	Senior Project Manager	4.00	128.93	\$515.72
CCA-Field	Reviewing, Evaluating Analytical Results / Tabulate / SI Documentation, Field Data / Boring Log			
	Engineer III	9.00	128.93	\$1,160.37
CCA-Field	Groundwater Sampling / Surveying / GW Surveying			
	Project Manager	9.00	116.04	\$1,044.36
CCA-Field	Groundwater Sampling / Surveying / GW Surveying			
	Engineer III	{10.00}	128.93	\$1,289.30
CCA-Field	Eng Barrier Construction / Verification			

Electronic Filing: Received, Clerk's Office 04/05/2023

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Prof. Engineer	16.00	167.61	\$1,005.66
CA-Pay	Reimbursement Review and Certifications			
	Senior Acct. Technician	30.00	70.90	\$2,127.00
CA-Pay	Reimbursement Preparations			
	Senior Admin. Assistant	8.00	58.02	\$464.16
CA-Pay	Reimbursement Compilation, Assembly, and Distributions			
	Geologist III	16.00	113.46	\$1,815.36
CA-Pay	Reimbursement Development / Input Parameters / Budget Coordination			

Electronic Filing: Received, Clerk's Office 04/05/2023

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Prof. Engineer	4.00	167.61	\$670.44
CACR	Report Review and Certification			
	Senior Admin. Assistant	2.00	58.02	\$116.04
CACR	Report Compilation, Assembly, and Distribution			
	Senior Project Manager	2.00	128.93	\$257.86
CACR	NFR Review / IEPA Correspondence / Submittal Recorded NFR			
	Senior Admin. Assistant	2.00	58.02	\$116.04
CACR	NFR Recording / Correspondence with County / Sending Fee			
	Engineer III	36.00	128.93	\$4,641.48
CACR	Report Preparation / Development			
	Senior Draftperson/CAD	4.00	77.35	\$309.40
CACR	Report Development / Maps / Preparation			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$32,113.58
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Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification				
Postage		2.00	7.20	/each	\$14.40
CACR	NFR Recording / Correspondence - County / IEPA / Client				
Postage		2.00	9.20	/each	\$18.40
CCAP	Report/ Forms/ Distribution				
Postage		10.00	7.20	/each	\$72.00
ELUC	Groundwater Ordinance verification / Ordinance Notification				
Postage		3.00	9.20	/each	\$27.60
CACR	Completion Report Distribution				
Postage		4.00	7.20	/each	\$28.80
CA-Pay	Reimbursement Distribution/ Forms				
Recording Fee		1.00	80.00	/each	\$80.00
CACR	NFR County Recording Fee				

Electronic Filing: Received, Clerk's Office 04/05/2023

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification				
Sampling Supplies		2.00	25.00	/day	\$50.00
CCA-Field	Disposable Latex Gloves, Bags, DI Water, Twine, Shroud, Miscellaneous Expenses				
Mileage		1,020.00	.54	/mile	\$550.80
CCA-Field	3 RTs from Springfield Office (Drilling & Vapor Sampling/GW Samp & Surv/Eng. Barrier)				
Supplies		1.00	8.00		\$8.00
CCA-Field	GW Monitoring Bailer				

Total of Consultant Materials Costs	\$850.00
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APPENDIX E

TACO VARIABLES AND EQUATIONS & HYDRAULIC CONDUCTIVITY CALCULATIONS

**CORRECTIVE ACTION PLAN
AMAN FOOD AND GAS
MOLINE, ILLINOIS**

Bouwer & Rice Method
Version 2.00
6/18/1995

Notice to users: Each user will determine the accuracy of this program and its suitability to a particular purpose before basing any decisions upon program results. All risks of such decisions will be borne by the user. Please notify CSA of any suspected errors in the program.

©Creative Scientific Applications Calculation Status

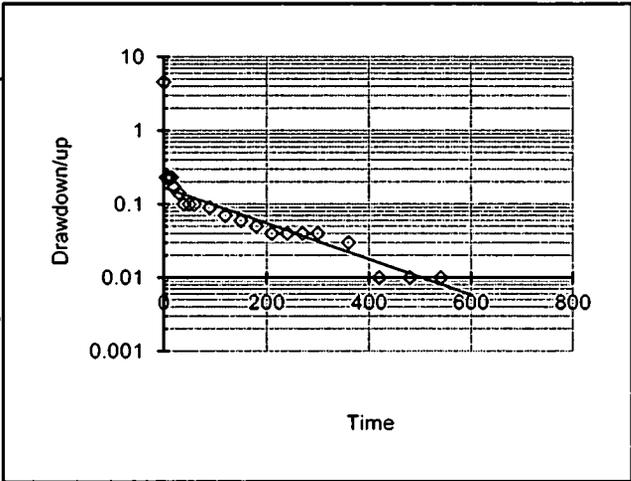
Automatic Calculation

Bouwer & Rice Method for Calculating Hydraulic Conductivity

Project Name: Aman Food & Gas
Client Name: Aman Food & Gas
Analysis By: MDR/MJS
Run Date: 4/19/2016

Project No.: 2014-0247
Identification: MW-1

Riser Pipe Diameter: 0.1667 feet
Intake Diameter: 0.604 feet
Intake Length: 10 feet
Saturated Column Length: 9.58 feet
Water Table Depth: 8.85 feet
Aquifer Thickness: 10 feet
Line Fit Starting No.: 2 Min 1 to
Line Fit Ending No.: 18 Max 22
Specify Output Units: 7 1 to 9
Hyd. Cond., K(h): 1.50E-04 cm./sec.
Error of Fit: 0.966



Meas. #	Time seconds	Field Meas. feet	Drawdown/up feet	Line Fit To LN(Yt)	Regression On LN(Yt)
1)	0.00	4.30	4.55	1.515	-1.778
2)	5.00	8.62	0.23	-1.470	-1.806
3)	10.00	8.62	0.23	-1.470	-1.834
4)	15.00	8.62	0.23	-1.470	-1.862
5)	20.00	8.68	0.17	-1.772	-1.890
6)	30.00	8.71	0.14	-1.966	-1.947
7)	40.00	8.75	0.10	-2.303	-2.003
8)	50.00	8.75	0.10	-2.303	-2.059
9)	60.00	8.75	0.10	-2.303	-2.115
10)	90.00	8.76	0.09	-2.408	-2.284
11)	120.00	8.78	0.07	-2.659	-2.453
12)	150.00	8.79	0.06	-2.813	-2.621
13)	180.00	8.80	0.05	-2.996	-2.790
14)	210.00	8.81	0.04	-3.219	-2.959
15)	240.00	8.81	0.04	-3.219	-3.127
16)	270.00	8.81	0.04	-3.219	-3.296
17)	300.00	8.81	0.04	-3.219	-3.465
18)	360.00	8.82	0.03	-3.507	-3.802

19)	420.00	8.84	0.01		-4.605	-4.139
20)	480.00	8.84	0.01		-4.605	-4.477
21)	540.00	8.84	0.01		-4.605	-4.814
22)	600.00	8.85	0.00		#NUM!	-5.151

R-26 Input/Summary Sheet

Version: 3/26/2018	
IEMA Incident # (6 or 8 digit)	2014-0247
IEPA LPC # (10 digit)	1610455194
Site Name:	Aman Food and Gas
Site Address:	1830 5th Avenue
City:	Moline
County:	Rock Island
Zip Code:	61265
SSL Equations Used:	S5,6,7,8,9,10,17,18,19,20,21,22,24
RBCA Equations Used:	R-1, R-2, R3
Contact Information for Individual who Performed Calculation	
Land Use:	Residential & Construction Worker
Objective from S17 used in R26:	No
Groundwater:	Class 1
Standard or Mass Limit Equations:	Standard Equations If Mass Limit, then Specify Acres: :
Square Feet of Plume for Mass Limit Eq.:	0.00 < use this # above
Date Data is Entered:	March 21, 2019

Entry	Description	Reference	Entry
1.807	Holcomb Bulk Density (pcf), or Dry Soil Bulk Density (g/cm ³ or kg/L): 1.5, or Gravel =2.0, Sand = 1.8, Silt = 1.6, Clay = 1.7, or site specific		
2.637	ps - Soil Particle Density		
0.315	Total Soil Porosity	0.315	0.315
0.202	Water Filled Porosity	0.202	0.202
0.113	Air Filled Porosity	0.113	0.113
0.430	θ _r - Total Soil Porosity (RBCA)	0.43 or: Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36	
0.180	w - Average Soil Moisture Content	0.1, or: Subsurface Soil (top 1m) = 0.1; Subsurface Soil (below 1 m) =0.2; or Site Specific	
Silt Loam	USDA Soil Classification (Pick from List)		
0.00450	Fractional Organic Carbon (foc) in g/g		0.0045
			Organic Matter (mg/kg):
			Total Organic Carbon (g/g):
1.50E-04	Average Hydraulic Conductivity (cm/sec)	Well Name	
1.50E-04	Falling Hydraulic Conductivity (cm/sec)	MW-1	
	Rising Hydraulic Conductivity (cm/sec)		
0.05934	Hydraulic Gradient (0.02 for sites with no groundwater)	Meters	
10	d _a - Aquifer Thickness (ft)	3.048 m	
10	d _s - Depth of Source (ft) (Vertical Thickness of Contamination)	3.048 m	
	X - Distance along the centerline of the groundwater plume emanating to setback zone or surface water from the source in the direction of groundwater flow (ft) (RBCA)	0 cm	
76	L - Source Length Parallel to Groundwater Flow (ft)	23.1648 m	
139	Sw: Source Width -horizontal plane (ft) (RBCA)	4236.72 cm	
	C _(x) - Concentration of Contaminant in groundwater at distance X from the source (mg/L)		Surface Water
	Benzene	MTBE	
	Toluene		
	Ethylbenzene		
	Total Xylenes		
Chemicals of Concern			
Benzene	Naphthalene	Chrysene	
Toluene		Benzo(k)fluoranthene	
Ethylbenzene		Indeno(1,2,3-cd)pyrene	
Total Xylenes			
MTBE			

MW-2	95.68
MW-4	91.17
Distance:	76

- Mass Limit Equations
- SSL Equations Needed
- Inhalation Equations
- Groundwater Ingestion Equations
- Csat Equations
- Fugitive Dust Equations
- Ingestion Equations

Aman Food and Gas				
GROUNDWATER CLEAN-UP OBJECTIVES				
(mg/L)				
Parameter	Most Stringent CUO	Class I GW	Class II GW	ADLs (U)
Benzene	0.005	0.005	0.025	<0.002
Ethylbenzene	0.7	0.7	1	<0.002
MTBE	0.07	0.07	0.07	<0.005
Toluene	1.0	1.0	2.5	<0.002
Total Xylenes	10.0	10.0	10.0	<0.005
Acenaphthene	0.42	0.42	2.1	<0.018
Acenaphthylene^	0.21	0.21	1.05	<0.010
Anthracene	2.1	2.1	10.5	<0.0066
Benzo(a)anthracene	0.00013	0.00013	0.00065	<0.00013
Benzo(a)pyrene	0.0002	0.0002	0.002	<0.0002
Benzo(b)fluoranthene	0.00018	0.00018	0.0009	<0.00018
Benzo(g,h,i)perylene^	0.21	0.21	1.05	<0.00076
Benzo(k)fluoranthene	0.00017	0.00017	0.00085	<0.00017
Chrysene	0.0015	0.0015	0.0075	<0.0015
Dibenz(a,h)anthracene	0.0003	0.0003	0.0015	<0.0003
Fluoranthene	0.28	0.28	1.4	<0.0021
Fluorene	0.28	0.28	1.4	<0.0021
Indeno(1,2,3-cd)pyrene	0.00043	0.00043	0.00215	<0.00043
Naphthalene	0.14	0.14	0.22	<0.010
Phenanthrene^	0.21	0.21	1.05	<0.0064
Pyrene	0.21	0.21	1.05	<0.0027
^Temporary Objectives from additional tables -- 10/1/04				
Updated 12/20/04				

Summary of Tier 2 Calculations
 Aman Food and Gas
 2014-0247
 03/21/19

Table 3

Tier 1 Objectives													
		Benzene		Toluene		Ethylbenzene		Total Xylenes		Naphthalene		MTBE	
Residential	Ingestion	12	mg/kg	16,000	mg/kg	7,800	mg/kg	16,000	mg/kg	1,600	mg/kg	780	mg/kg
	Inhalation	0.8	mg/kg	650	mg/kg	400	mg/kg	320	mg/kg	170	mg/kg	8,800	mg/kg
	Migration Class 1	0.03	mg/kg	12	mg/kg	13	mg/kg	150	mg/kg	12	mg/kg	0.32	mg/kg
	Migration Class 2	0.17	mg/kg	29	mg/kg	19	mg/kg	150	mg/kg	18	mg/kg	0.32	mg/kg
Industrial/Commercial	Ingestion	100	mg/kg	410,000	mg/kg	200,000	mg/kg	410,000	mg/kg	41,000	mg/kg	20,000	mg/kg
	Inhalation	1.60	mg/kg	650	mg/kg	400	mg/kg	320	mg/kg	270	mg/kg	8,800	mg/kg
Construction Worker	Ingestion	2,300	mg/kg	410,000	mg/kg	20,000	mg/kg	41,000	mg/kg	4,100	mg/kg	2,000	mg/kg
	Inhalation	2.20	mg/kg	42	mg/kg	58	mg/kg	5.6	mg/kg	1.80	mg/kg	140	mg/kg
Soil Saturation		580	mg/kg	290	mg/kg	150	mg/kg	110	mg/kg	73.25	mg/kg	8,400	mg/kg

Tier 2 SSL Objectives													
		Benzene	Equation	Toluene	Equation	Ethylbenzene	Equation	Total Xylenes	Equation	Naphthalene	Equation	MTBE	
Residential	Ingestion	11.64	S-2	6,257.14	S-1	7,821	S-1	15,643	S-1	1,564	S-1	782.1	S-1
	Inhalation	2.15	S-6	6,257.14	S-4	12.99	S-6	12,990	S-4	228.71	S-4	3,300.27	S-4
	Migration Mass-Limit Class 1	0.23	S-28	45.75	S-28	32.03	S-28	457.84	S-28	6.41	S-28	3.20	S-28
	Migration Class 1	0.035	S-17	16.79	S-17	22.01	S-17	303.96	S-17	6.62	S-17	0.23	S-17
Industrial-Commercial	Ingestion	104.06	S-2	1,635,200	S-1	204,400	S-1	408,800	S-1	40,880	S-1	20,440	S-1
	Inhalation	4.12	S-6	82,193.80	S-4	24.82	S-6	2,702.20	S-4	364.13	S-4	6,670.82	S-4
	Migration Mass-Limit Class 1	0.23	S-28	45.75	S-28	32.03	S-28	457.84	S-28	6.41	S-28	3.20	S-28
	Migration Class 1	0.035	S-17	16.79	S-17	22.01	S-17	303.96	S-17	6.62	S-17	0.23	S-17
Construction Worker	Ingestion	2,258.21	S-3	163,236	S-1	10,303.26	S-1	81,618	S-1	122,427	S-1	61,214	S-1
	Inhalation	5.79	S-7	331.74	S-5	34.90	S-7	69.95	S-5	2.36	S-5	359.96	S-5
Soil Saturation		632.11	S-29	445.06	S-29	267.25	S-29	211.17	S-29	73.25	S-29	8,417.27	S-29

all values are in mg/kg

Site Specific Value cannot exceed Soil Saturation Limit, otherwise Tier 2 Inhalation or Tier 2 Migration objectives are the Soil Saturation objective
 Calculated value is less than Tier 1 Objective

Groundwater Contaminant Concentration Exceedances at Surface Water or Set Back Zone (mg/L)

	Benzene	Equation	Toluene	Equation	Ethylbenzene	Equation	Total Xylenes	Equation	Naphthalene	Equation	MTBE	
Result	#DIV/0!	R-26	#DIV/0!	R-26	#DIV/0!	R-26	#DIV/0!	R-26			#DIV/0!	R-26
Surface Water Objective	0.86		0.6		0.014		0.36					

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
RBCA Input Parameters for Use with Tier 2 Calculations

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-0247 IEPA LPC # (10-digit): 1610455194
 Site Name: Aman Food and Gas
 Site Address (not a P.O. Box): 1830 5th Avenue
 City: Moline County: Rock Island Zip Code: 61265

Leaking UST Technical File

B. Tier 2 Calculation Information

Equation(s) Used (ex: R12,R14,R26): R16, R17, R18,R19, R21, R22, R23, R24,R26

Contact Information for Individual Who Performed Calculations:

0

Land Use: Residential Soil Type: Silt Loam

Groundwater: Class I Class II

Mass Limit: Yes No If Yes, then Specify Acreage: _____

Objective from S17 used in R26? Yes No

If Yes, then Specify C_{source} from S17 See Attached mg/L.

- Mass Limit Acreage other than defaults must always be rounded up.
- Failure to use site-specific parameters where allowed could affect payment from the UST Fund
- Maps depicting source width, plume dimensions, distance, etc. must also be submitted.
- Inputs must be submitted in the designated unit.

AT _c	=	70	yr
AT _n	=	Residential = 30 Con. Worker = 0.115	yr
BW	=	70	yr
C _{source}	=	See Attached	mg/L
C _(s)	=	See Attached	mg/L
d	=	100	cm

D ^{air}	=	See Attached	cm ² /s
D ^{water}	=	See Attached	cm ² /s
D _e ^{eff}	=	See Attached	cm ² /s
ED	=	Residential = 30 Con. Worker = 1	yr
EF	=	Residential = 350 Con. Worker = 30	d/yr

erf	=	See Attached	unitless
f _{oc}	=	0.0045	g/g
GW _{comp}	=	See Attached	mg/L
GW _{source}	=	See Attached	mg/L
H'	=	See Attached	cm ³ _{water} /cm ³ _{soil}
i	=	0.059342105	cm/cm
l	=	30	cm/yr
IR _{air}	=	20	m ³ /d
IR _{soil}	=	Residential = 100 Con. Worker = 480	mg/d
IR _w	=	Residential = 2	L/d
K	=	12.960 4730.400	cm/d cm/yr
K _{oc}	=	See Attached	cm ³ /g or L/kg
k _g (non-ionizing organics)	=	See Attached	cm ³ _{water} /g _{soil}
k _g (ionizing organics)	=	Not Applicable	cm ³ _{water} /g _{soil}
k _g (inorganics)	=	Not Applicable	cm ³ _{water} /g _{soil}
L _s	=	100	cm
LF _{sw}	=	See Attached	(mg/L _{water})/(mg/kg _{soil})
M	=	0.5	mg/cm ²
Pe	=	6.9 · 10 ⁻¹⁴	g/cm ² ·s
RAF _d	=	0.5	unitless
α _s	=	See Attached	cm
α _v	=	See Attached	cm
α _t	=	See Attached	cm
λ	=	See Attached	d ⁻¹
π	=	3.1416	
τ	=	9.46 · 10 ⁸	s

RAF _d (PNAs)	=	0.05	unitless
RAF _d (inorganics)	=	0	unitless
RAF _o	=	1	unitless
RBSL _{air} (carcinogenic)	=	See Attached	μg/m ³
RBSL _{air} (noncarcinogenic)	=	See Attached	μg/m ³
RfD _i	=	See Attached	mg/kg-d
SA	=	3,160	cm ² /d
S _d	=	200.0	cm
S _w	=	4,236.7	cm
SF _i	=	See Attached	(mg/kg-d) ⁻¹
SF _o	=	See Attached	(mg/kg-d) ⁻¹
THQ	=	1	unitless
TR	=	1.00E-06	unitless
U	=	1.7885	cm/d
U _{air}	=	225	cm/s
U _{gw}	=	4730.459	cm/y
VF _p	=	3.97133E-12	kg/m ³
VF _{comb}	=	See Attached	(mg/m ³ ·m)/mg/kg _{soil} or kg/m ³
VF _{ss}	=	See Attached	kg/m ³
W	=		cm
w	=	0.18	g _{water} /g _{soil}
δ _{air}	=	200	cm
δ _{gw}	=	200	cm
θ _{gs}	=	0.10474	cm ³ _{air} /cm ³ _{soil}
θ _{ws}	=	0.32526	cm ³ _{water} /cm ³ _{soil}
θ _T	=	0.43	cm ³ /cm ³ _{soil}
ρ _b	=	1.807	g/cm ³
ρ _w	=	1	g/cm ³

**Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
SSL Input Parameters for Use with Tier 2 Calculations**

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-0247 IEPA LPC # (10-digit): 1610455194

Site Name: Aman Food and Gas

Site Address (not a P.O. Box): 1830 5th Avenue

City: Moline County: Rock Island Zip Code: 61265

Leaking UST Technical File

B. Tier 2 Calculation Information

Equation(s) Used (ex: S12,S17,S28): S5,6,7,8,9,10,17,18,19,20,21,22,24

Contact Information for Individual Who Performed Calculations:

0

Land Use: Residential Soil Type: Silt Loam

Groundwater: Class I Class II

Mass Limit: Yes No If Yes, then Specify Acreage: _____

- Mass Limit Acreage other than defaults must always be rounded up.
- Failure to use site-specific parameters where allowed could affect payment from the UST Fund
- Maps depicting source width, plume dimensions, distance, etc. must also be submitted.
- Inputs must be submitted in the designated unit.

AT (ingestion)	=	Residential = 6	yr
		Con. Worker = 0.115	yr
AT (inhalation)	=	Residential = 30	yr
		Con. Worker = 0.115	yr
AT _c	=	70	yr
BW	=	Res. (NonCarcinogen) = 15	kg
		Res. (Carcinogen) = 70	kg
		Con. Worker = 70	kg
C _{sat}	=	Benzene = 632.106	mg/kg
		Toluene = 445.059	mg/kg
		Ethylbenzene = 267.248	mg/kg
		Total Xylenes = 211.17	mg/kg
		MTBE = 8417.273	mg/kg
		Naphthalene = 73.253	mg/kg
			mg/kg
			mg/kg
			mg/kg

d _a	=	3.048	m
d _s	=	3.048	m
DA	=	Benzene = 0.000226660726427154	cm ² /s
		Toluene = 0.00011030960375204	cm ² /s
		Ethylbenzene = 0.000060712169481304	cm ² /s
		Xylenes = 4.07922564333269E-05	cm ² /s
		MTBE = 6.01770689553174E-05	cm ² /s
		Naphthalene = 2.02347274161781E-06	cm ² /s
			cm ² /s
			cm ² /s
			cm ² /s

Incident # 2014-0247

C_w	=	Benzene = 0.1 mg/L Toluene = 20 mg/L Ethylbenzene = 22.008 mg/L Total Xylenes = 383.946 mg/L MTBE = 0.231 mg/L Naphthalene = 6.616 mg/L	mg/L
d	=	4.146	m
ED (inhalation of carcinogens)	=	Residential = 30 Con. Worker = 1	yr yr
ED (ingestion of noncarcinogens)	=	Residential = 6 Con. Worker = 1	yr yr
ED (inhalation of noncarcinogens)	=	Residential = 30 Con. Worker = 1	yr yr
ED (ingestion of groundwater)	=	Residential = 30 Con. Worker = 1	yr yr
ED_{M-L}	=	70	yr
EF	=	Residential = 350 Con. Worker = 30	d/yr d/yr
$F(x)$	=	0.194	unitless
f_{oc}	=	0.0045	g/g
GW_{obj}	=	Benzene = 0.005 mg/L Toluene = 1 mg/L Ethylbenzene = 0.7 mg/L Total Xylenes = 10 mg/L MTBE = 0.07 mg/L Naphthalene = 0.14 mg/L	mg/L mg/L mg/L mg/L mg/L mg/L mg/L
H'	=	Benzene = 0.23 Toluene = 0.271 Ethylbenzene = 0.324 Total Xylenes = 0.271 MTBE = 0.0241 Naphthalene = 0.0198	unitless unitless unitless unitless unitless unitless unitless
i	=	0.059342105	m/m
I	=	0.3	m/yr
I_{M-L}	=	0.18	m/yr
$IF_{soil-adj}$	=	114	(mg-yr)/(kg-d)
IR_{soil}	=	Residential = 200 Con. Worker = 480	mg/d mg/d

D_i	=	Benzene = 0.088 cm ² /s Toluene = 0.087 cm ² /s Ethylbenzene = 0.075 cm ² /s Total Xylenes = 0.0735 cm ² /s MTBE = 0.102 cm ² /s Naphthalene = 0.0000075 cm ² /s	cm ² /s cm ² /s cm ² /s cm ² /s cm ² /s cm ² /s
D_w	=	Benzene = 0.0000102 Toluene = 0.0000086 Ethylbenzene = 0.0000078 Total Xylenes = 0.00000923 MTBE = 0.000011 Naphthalene = 0.0000075	cm ² /s cm ² /s cm ² /s cm ² /s cm ² /s cm ² /s
DF	=	2.67496	unitless
ED (ingestion of carcinogens)	=	Con. Worker = 1	yr
K_{oc}	=	Benzene = 50 Toluene = 158 Ethylbenzene = 320 Total Xylenes = 398 MTBE = 11.5 Naphthalene = 500	cm ³ /g or L/kg cm ³ /g or L/kg
K_s	=	120	m/yr
L	=	23.1648	m
PEF	=		m ³ /kg
PEF'	=		m ³ /kg
Q/C (VF equations)	=	Residential = 68.81 Con. Worker = 85.81	(g/m ² -s)/(kg/m ³) (g/m ² -s)/(kg/m ³)
Q/C (PEF equations)	=		(g/m ² -s)/(kg/m ³)
RfC (mg/m ³)		Chronic	Subchronic
Benzene	=	0.03	0.08
Toluene	=	5	5
Ethylbenzene	=	1	9
Total Xylenes	=	0.1	0.4
MTBE	=	3	2.5
Naphthalene	=	0.003	0.003
	=		NA

Incident # 2014-0247

IR_w	=	Residential = 2	L/d
K	=	47.304	m/yr
K_d (non-ionizing organics)	=	Benzene = 0.225	cm ² /g or L/kg
		Toluene = 0.711	cm ² /g or L/kg
		Ethylbenzene = 1.44	cm ² /g or L/kg
		Total Xylenes = 1.791	cm ² /g or L/kg
		MTBE = 0.05175	cm ² /g or L/kg
		Naphthalene = 2.25	cm ² /g or L/kg
K_d (ionizing organics)	=		cm ² /g or L/kg
K_d (inorganics)	=		cm ² /g or L/kg
VF'	=	Benzene = 530.246	m ³ /kg
		Toluene = 760.079	m ³ /kg
		Ethylbenzene = 1024.537	m ³ /kg
		Total Xylenes = 1249.904	m ³ /kg
		MTBE = 1029.082	m ³ /kg
		Naphthalene = 5611.993	m ³ /kg
			m ³ /kg
VM_{M-L}	=	#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
VF'_{M-L}	=	#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
η	=	0.315	L_{pore}/L_{soil}
θ_a	=	0.113	L_{air}/L_{soil}

RfD _o mg/(kg-d)	Chronic	Subchronic
Benzene	= 0.004	0.012
Toluene	= 0.08	0.8
Ethylbenzene	= 0.1	0.05
Total Xylenes	= 0.2	0.4
MTBE	= 0.01	0.3
Naphthalene	= 0.02	0.6
	=	0.2
	=	NA
	=	NA
	=	NA
S	=	Benzene = 1800 mg/L Toluene = 530 mg/L Ethylbenzene = 170 mg/L Total Xylenes = 110 mg/L MTBE = 51000 mg/L Naphthalene = 31 mg/L
SF _o	=	Benzene = 0.055 (mg/kg-d) ⁻¹ Toluene = NA (mg/kg-d) ⁻¹ Ethylbenzene = 0.011 (mg/kg-d) ⁻¹ Total Xylenes = NA (mg/kg-d) ⁻¹ MTBE = NA (mg/kg-d) ⁻¹ Naphthalene = NA (mg/kg-d) ⁻¹
T	=	Residential = 9.5E08 s Con. Worker = 3.6 x 10 ⁸ s
T _{M-L}	=	30 yr
THQ	=	1 unitless
TR	=	1.00E-06 unitless
U _m	=	4.69 m/s
URF	=	Benzene = 7.8 x 10 ⁻⁶ (µg/m ³) ⁻¹
U _t	=	11.32 m/s
V	=	0.5 unitless
VF	=	Benzene = 6907.197 m ³ /kg Toluene = 9901.098 m ³ /kg Ethylbenzene = 13346.031 m ³ /kg Total Xylenes = 16281.753 m ³ /kg MTBE = 13405.237 m ³ /kg Naphthalene = 73104.036 m ³ /kg
		m ³ /kg
		m ³ /kg
		m ³ /kg

Incident # 2014-0247

θ_w	=	0.202	$L_{\text{water}}/L_{\text{soil}}$
ρ_b	=	1.807	kg/l or g/cm ³
ρ_s	=	2.637	g/cm ³
ρ_w	=	1	g/cm ³
$1/(2b+3)$	=	0.074	unitless

Tier 2 Industrial/Commercial Calculations for Benzene

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19
Version: 3/21/2018

SSL RBCA
IRIS/HEAST

Input Values			
Holcomb's Bulk Density	0	Converted Value to be used in calculation sheet	USDA Soil Classification: Silt Loam
Organic Matter (%)	0	FOC % (0.58 conversion)	FOC mg/kg (0.58 conversion)
1.807	ρ_d - Dry Soil Bulk Density	1.5 or; Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific	
2.637	ρ_s - Soil Particle Density	2.65 or; Site Specific	
0.113	θ_a - Air Filled Soil Porosity	0.113 Value from S-21	Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)
0.202	θ_w - Water Filled Soil Porosity	0.202 Value from S-20	Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.16; Clay = 0.17; or Calculated Value (S20)
0.315	n - SSL: Total Soil Porosity	0.315 Value from S-24	0.43 or; Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24)
0.0593421	i - Hydraulic Gradient		Site Specific
0.005	f_{oc} - Total Organic Carbon (g/g)		Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific
20.000	DF - Dilution Factor	2.675 Value from S-22	If calculated value for DF is less than 20, then 20 default is used, else calculated value is used
4.147	d - Mixing Zone (m)	4.147 Value from S-25	2; or calculated value
3.048	d_s - Depth of source (m)	feet = 10	Depth of Source (Vertical thickness of contamination)
47.30	K - Hydraulic Conductivity (m/yr)	cm/sec = 1.50E-04	Site Specific 1.30E+01 cm/d 4.73E+03 m/yr Use cm/d for R15, R19, & R26; cm/yr for R24
23.165	L - Source Length Parallel to Groundwater Flow (m)	feet = 76	Site Specific (m)
3.048	d_a - Aquifer Thickness (m)	feet = 10	Site Specific (m)
0.3	i - Infiltration Rate (m/yr)		0.3 for Illinois
120	K_s - Saturated Hydraulic Conductivity		See Table K for Input Values
0.005	GW_{obj} - Groundwater Remediation Objective Class 1		0.025 GW_{obj} - Groundwater Remediation Objective Class 2
0.074	$1/(2b+3)$ - Exponent for S20		See Table K for Input Values
70	BW - Body Weight		Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens		114
50	IR_{soil} - Soil Ingestion Rate		Residential = 200; Industrial/Commercial = 50; Construction Worker = 480
0.055	SF_o - Oral Slope Factor		Benzene = 0.055
1	IR_w - Daily Water Ingestion Rate		Residential = 2; Industrial/Commercial = 1
1800	S - Solubility in Water		Benzene = 1750
1.0E-06	TR - Target Cancer Risk		Residential = 10 ⁻⁶ ; Industrial/Commercial = 10 ⁻⁶ ; Construction Worker = 10 ⁻⁶ at point of human exposure
70	AT_o - Average Time for Carcinogens		470
7.80E-06	URF - Inhalation Unit Risk Factor		Benzene = 7.6 x 10 ⁻⁶
250	EF - Exposure Frequency		Residential = 350; Industrial/Commercial = 250; Construction Worker = 30
25	ED - Exposure Duration for Inhalation to Carcinogens		Residential = 30; Industrial/Commercial = 25; Construction Worker = 1
68.81	Q/C - Inverse of the mean concentration at the center of a square source		Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H
7.90E+08	T - Exposure Interval		Residential = 9.5 x 10 ⁸ ; Industrial/Commercial = 7.9 x 10 ⁸ ; Construction Worker = 3.6 x 10 ⁸
30	T_{MCL} - Exposure Interval for MCL Limit Volatilization Factor Equation S26		30
70	ED_{MCL} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28		70
0.18	i_{MCL} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28		0.18
0.088	D_i - Diffusivity in Air		Benzene = 0.088
0.23	H' - Henry's Law Constant		Benzene = 0.228
1.02E-05	D_w - Diffusivity in Water		Benzene = 9.8 x 10 ⁻⁶
50	K_{oc} - Organic Carbon Partition Coefficient		Benzene = 58.9

Industrial/Commercial Ingestion Tier II Benzene Objective

$$S-3 = \frac{TR \times BW \times AT_c \times 365}{SI_o \times 10^{-6} \times EF \times ED \times IR_{soil}} = \frac{1.0E-06 \times 70 \times 70 \times 365}{0.055 \times 1.00E-06 \times 250 \times 25 \times 50} = \frac{1.8E+00}{1.72E-02} = 104.058 \text{ mg/kg}$$

Construction Worker Ingestion Tier II Benzene Objective

$$S-3 = \frac{TR \times BW \times AT_c \times 365}{SI_o \times 10^{-6} \times EF \times IR_{soil}} = \frac{1.0E-06 \times 70 \times 70 \times 365}{0.055 \times 1.00E-06 \times 30 \times 480} = \frac{1.8E+00}{7.92E-04} = 2258.21 \text{ mg/kg}$$

000487

Tier 2 Industrial/Commercial Calculations for Benzene
 Aman Food and Gas
 2014-0247

Industrial Commercial Inhalation Tier II Objective

$$S-6 = \frac{TR \times ATc \times 365}{URF \times 1000 \times EF \times ED \times 1/VF} = \frac{1.0E-06 \times 70 \times 365}{7.80E-06 \times 1000 \times 250 \times 25 \times (1/7.85E+03)} = \frac{0.02555}{6.21E-03} = 4.117 \text{ mg/kg}$$

Construction Worker Inhalation Tier II Objective

$$S-7 = \frac{TR \times ATc \times 365}{URF \times 1000 \times EF \times ED \times 1/VF} = \frac{1.0E-06 \times 70 \times 365}{7.80E-06 \times 1000 \times 30 \times 1 \times (1/5.30E+01)} = \frac{0.02555}{4.41E-03} = 5.790 \text{ mg/kg}$$

RESIDENTIAL OR COMMERCIAL

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 2.27E-04 \times 7.90E+08)^{1/2} \times 0.0001}{(2 \times 1.807 \times 2.27E-04)} = \frac{6.4343}{0.0008} = 7854.8878$$

Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 2.27E-04 \times 3.60E+06)^{1/2} \times 0.0001}{(2 \times 1.807 \times 2.27E-04)} = \frac{0.4344}{0.0008} = 530.2464$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF' = \frac{VF}{10} = \frac{530.2464}{10} = 53.0246$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(0_w^{3.33} \times D_w \times H') + (0_w^{3.33} \times D_w)}{n^2} \times \frac{1}{(\rho_b \times K_d) + 0_w + (0_w \times H')}$$

$$= \frac{(7.03E-04 \times 0.088 \times 0.230) + (0.0049 \times 1.02E-05)}{0.0992} \times \frac{1}{(1.807 \times 0.225) + 0.20 + (0.113 \times 0.230)} = 2.27E-04$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(0_w + 0_w \times H')}{\rho_b} \right] = 0.1 \times \left[0.225 + \frac{0.202 + \frac{0.113 \times 0.230}{1.807}}{1.807} \right] = 0.035 \text{ mg/kg}$$

000488

Tier 2 Industrial/Commercial Calculations for Benzene
Aman Food and Gas
2014-0247

Target Soil Leachate Concentration (Class 1)
S-18 = $C_w = \frac{C_{soil}}{DF \times GW_{oh}} = 20.00 \times 0.005 = 0.1$

Soil-Water Partition Coefficient
S-19 = $K_d = K_{oc} \times f_{oc} = 50.00 \times 0.005 = 0.225$

Water-Filled Porosity
S-20 = $\Theta_w = \eta \times \frac{1}{K_r}^{(1/2b+1)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$

Air-Filled Porosity
S-21 = $\Theta_a = \eta - \Theta_w = 0.32 - 0.20 = 0.1130$

Dilution Factor
S-22 = $DF = 1 + \frac{K_d \times i \times d}{i \times L} = \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} + 1 = 2.6750$

GW Ingestion
S-23 = $\frac{TR \times BW \times A_t \times 365}{SF_o \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 70 \times 70 \times 365}{0.055 \times 1.000 \times 250 \times 25} = \frac{1.8E+00}{343.75} = 0.0052 \text{ mg/L}$

Total Soil Porosity
S-24 = $\eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$

Estimation of Mixing Zone Depth
S-25 = $d = (0.0112 \times L^2)^{0.5} + d_o \left[1 - \exp \left(\frac{(-L \times i)}{(K \times i \times d_o)} \right) \right]$
 $= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(\frac{-23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048} \right) \right] = 4.147 \text{ m}$

Soil Saturation Limit
S-29 = $C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \Theta_w + (H' \times \theta_a)] = \frac{1800}{1.807} \times [(0.225 \times 1.807) + 0.202 + (0.230 \times 0.113)] = 632.11 \text{ mg/kg}$

Soil Gas Outdoor Inhalation
S-30 = $RO_s \text{ g} = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \Theta_a + \Theta_w + K_d \times \rho_b} = \frac{4.117 \times 0.230 \times 1.807 \times 1000}{2.300E-01 \times 0.113 + 0.202 + 0.225 \times 1.807} = 2,696.29 \text{ mg/m}^3$

000489

Tier 2 Industrial/Commercial Calculations for Toluene

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19
Version: 3/20/2018

SSL
RBCA
IRIS/HEAST

Input Values

Holcomb's Bulk Density -->	0	Converted Value to be used in calculation sheet -->	-	USDA Soil Classification:	Silt Loam
Organic Matter (%) -->	0	FOC % (0.58 conversion) -->	0.000	FOC mg/kg (0.58 conversion)	0.000
1.807	ρ_b - Dry Soil Bulk Density			1.5 or; Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific	
2.837	ρ_s - Soil Particle Density			2.65 or; Site Specific	
0.113	θ_a - Air Filled Soil Porosity	0.113	Value from S-21	Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)	
0.202	θ_w - Water Filled Soil Porosity	0.202	Value from S-20	Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.16; Clay = 0.17; or Calculated Value (S20)	
0.315	θ - SSL: Total Soil Porosity	0.315	Value from S-24	0.43 or; Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24 or R23)	
0.0593421	I - Hydraulic Gradient			Site Specific	
0.005	f_{oc} - Total Organic Carbon (g/g)			Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific	
20.000	DF - Dilution Factor	2.675	Value from S-22	If calculated value for DF is less than 20, then 20 default is used, else calculated value is used	
4.147	d - Mixing Zone (m)	4.147	Value from S-25	2; or calculated value	
3.048	d_s - Depth of source (m)		1 feet = 10	Depth of Source (Vertical thickness of contamination)	
47.30	K - Hydraulic Conductivity (m/yr)	1.50E-04	cm/sec =	Site Specific	1.30E+01 cm/d 4.73E+03 cm/yr Use cm/d for R15, R19, & R26. cm/yr for R24
23.165	L - Source Length Parallel to Groundwater Flow (m)		1 feet = 76	Site Specific (m)	
3.048	d_a - Aquifer Thickness (m)		1 feet = 10	Site Specific (m)	
0.3	I - Infiltration Rate (m/yr)			0.3 for Illinois	
120	K_s - Saturated Hydraulic Conductivity			See Table K for Input Values	
1.000	GW_{obj} - Groundwater Remediation Objective Class 1			2.5; GW_{obj} - Groundwater Remediation Objective Class 2	
0.074	$1/(2b+3)$ - Exponent for S20			See Table K for Input Values	
15	BW - Body Weight			Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70	
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens			114	
50	IR_{soil} - Soil Ingestion Rate			Residential = 200; Industrial/Commercial = 50; Construction Worker = 480	
1	IR_w - Daily Water Ingestion Rate			Residential = 2; Industrial/Commercial = 1	
530	S - Solubility in Water			Toluene = 526	
1.0E-06	TR - Target Cancer Risk			Residential = 10^{-6} ; Industrial/Commercial = 10^{-6} ; Construction Worker = 10^{-6} at point of human exposure	
250	EF - Exposure Frequency			Residential = 350; Industrial/Commercial = 250; Construction Worker = 30	
25	ED - Exposure Duration for Inhalation for Non-Carcinogens			Residential = 30; Industrial/Commercial = 25; Construction Worker = 1	
68.81	Q/C - Inverse of the mean concentration at the center of a square source			Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H	
7.90E+08	T - Exposure Interval			Residential = 9.5×10^8 ; Industrial/Commercial = 7.9×10^8 ; Construction Worker = 3.6×10^8	
30	T_{MLL} - Exposure Interval for MLL Volatilization Factor Equation S26			30	
70	ED_{ML} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28			70	
0.18	h_{ML} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28			0.18	
0.087	D_i - Diffusivity in Air			Toluene = 0.087	
0.271	H' - Henry's Law Constant			Toluene = 0.272	
8.60E-06	D_w - Diffusivity in Water			Toluene = 8.6×10^{-6}	
25	AT - Average Time for Non-Carcinogens In Ingestion Equation			Residential = 6; Industrial/Commercial = 25; Construction Worker = 0.115	
25	AT - Average Time for Non-Carcinogens In Inhalation Equation			Residential = 30; Industrial/Commercial = 25; Construction Worker = 0.115	
1	THQ - Target Hazard Quotient			1	
5	RIC - Inhalation Reference Concentration			Chronic = 5; Subchronic = 5	
0.8	RID _o - Oral Reference Dose			Chronic = 0.08; Subchronic = 0.8	
158.00	K_{oc} - Organic Carbon Partition Coefficient			Toluene = 182	

Industrial/Commercial Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 25 \times 365}{0.000001 \times 1/0.8 \times 250 \times 25 \times 50} = \frac{638750}{0.390625} = 1635200 \text{ mg/kg}$$

Construction Worker Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 0.115 \times 365}{0.000001 \times 1/0.8 \times 30 \times 1 \times 480} = \frac{2938.25}{0.018} = 163236 \text{ mg/kg}$$

Industrial Commercial Inhalation

$$S-4 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIC \times 1/VF)} = \frac{1 \times 25 \times 365}{250 \times 25 \times 1/5 \times 1/11259.56108} = \frac{9125}{0.111017} = 82194.796 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

Inhalation Non-Carcinogenic Construction Worker

$$S-5 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIC \times 1/VF)} = \frac{1 \times 0.115 \times 365}{30 \times 1 \times 1/5 \times 1/76.00797564} = \frac{41.975}{0.078939} = 531.739 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

RESIDENTIAL OR COMMERCIAL

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_s \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_s)} = 85.81 \times \left(\frac{3.14 \times 1.10E-04 \times 7.90E+08}{2 \times 1.807 \times 1.10E-04} \right)^{1/2} \times 0.0001 = \frac{4.4887}{3.99E-04} = 11259.5611$$

000490

Tier 2 Industrial/Commercial Calculations for Toluene

Aman Food and Gas
2014-0247

Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{\left(\frac{3.14}{2} \times 1.10E-04 \times 3.60E+06 \right)^{1/2} \times 0.0001}{1.807 \times 1.10E-04} = \frac{0.3030}{3.99E-04} = 760.0798$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF^* = \frac{VF}{10} = \frac{760.0798}{10} = 76.0080$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(\theta_s^{3.33} \times D_s \times H') + (\theta_w^{3.33} \times D_w)}{\eta^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_s \times H')}$$

$$= \frac{(7.03E-04 \times 0.087 \times 0.271) + (0.0049 \times 8.60E-06)}{0.0992} \times \frac{1}{(1.807 \times 0.711) + 0.20 + (0.113 \times 0.271)} = 1.10E-04$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(\theta_w + \theta_s \times H')}{\rho_b} \right] = 20 \times \left[0.711 + \frac{0.202 + 0.113 \times 0.271}{1.807} \right] = 16.795 \text{ mg/kg}$$

Target Soil Leachate Concentration (Class 1)

$$S-18 = C_w = DF \times GW_{2d} = 20.00 \times 1.000 = 20$$

Soil-Water Partition Coefficient

$$S-19 = K_d = K_{oc} \times f_{oc} = 158.00 \times 0.005 = 0.711$$

Water-Filled Porosity

$$S-20 = \theta_w = \eta \times \frac{1}{K_c}^{(1/2)(1-\eta)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

000491

Tier 2 Industrial/Commercial Calculations for Toluene

Aman Food and Gas
2014-0247

Air-Filled Porosity
S-21 = $\Theta_a = \eta \cdot e_w = 0.32 \cdot 0.20 = 0.1130$

Dilution Factor
S-22 = $DF = 1 + \frac{K \times l \times d}{l \times L} = \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} + 1 = 2.6750$

GW Ingestion
S-23 = $\frac{TR \times BW \times A_c \times 365}{SF_p \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 15 \times 0 \times 365}{0.000 \times 1.000 \times 250 \times 25} = \frac{0.0E+00}{0} = \#DIV/0! \text{ mg/L}$

Total Soil Porosity
S-24 = $\eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$

Estimation of Mixing Zone Depth
S-25 = $d = (0.0112 \times L^2)^{0.5} + d_0 \left[1 - \exp \left(\frac{-L \times l}{(K \times l \times d_0)} \right) \right]$
 $= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(\frac{-23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048} \right) \right] = 4.147 \text{ m}$

Soil Saturation Limit
S-29 = $C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \Theta_w + (H' \times \theta_a)] = \frac{530}{1.807} \times [(0.711 \times 1.807) + 0.202 + (0.271 \times 0.113)] = 445.06 \text{ mg/kg}$

Soil Gas Outdoor Inhalation
S-30 = $ROs \text{ g} = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \Theta_a + \Theta_w + K_d \times \rho_b} = \frac{445.059 \times 0.271 \times 1.807 \times 1000}{2.710E-01 \times 0.113 + 0.202 + 0.711 \times 1.807} = 143,630.00 \text{ mg/m}^3$
 Exceeds Saturation Value

000492

Tier 2 Industrial/Commercial Calculations for Ethylbenzene

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19
Version: 2/7/11B

SSL
RBCA
SSL & RBCA
IRIS/HEAST

Input Values		Converted Value to be used in calculation sheet ->		USDA Soil Classification: Silt Loam	
Holcomb's Bulk Density ->	0	Organic Matter (%) ->	0	FOC % (0.58 conversion) ->	0.000
Organic Matter (mg/kg)	0	FOC mg/kg (0.58 conversion)	0.000	loc conversion to g/g	0.000
1.807	ρ_d - Dry Soil Bulk Density	1.5 or; Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific			
2.637	ρ_s - Soil Particle Density	2.65 or; Site Specific			
0.113	θ_a - Air Filled Soil Porosity	0.113	Value from S-21	Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)	
0.202	θ_w - Water Filled Soil Porosity	0.202	Value from S-20	Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.18; Clay = 0.17; or Calculated Value (S20)	
0.315	n - SSL: Total Soil Porosity	0.315	Value from S-24	0.43 or; Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24)	
0.0593421	I - Hydraulic Gradient	Site Specific			
0.005	f_{oc} - Total Organic Carbon (g/g)	Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific			
20.000	DF - Dilution Factor	2.675	Value from S-22	If calculated value for DF is less than 20, then 20 default is used, else calculated value is used	
4.147	d - Mixing Zone (m)	4.147	Value from S-25	2; or calculated value	
3.048	d_s - Depth of source (m)	1	feet = 10	Depth of Source (Vertical thickness of contamination)	
47.30	K - Hydraulic Conductivity (m/yr)	1.50E-04	cm/sec =	1.30E+01	cm/d
23.165	L - Source Length Parallel to Groundwater Flow (m)	76	feet =	4.73E+03	cm/yr
3.048	d_a - Aquifer Thickness (m)	1	feet = 10	Site Specific (m)	
0.3	I - Infiltration Rate (m/yr)	0.3 for Illinois			
120	K_s - Saturated Hydraulic Conductivity	See Table K for Input Values			
0.700	GW_{obj} - Groundwater Remediation Objective Class 1	1		GW_{obj} - Groundwater Remediation Objective Class 2	
0.074	$1/(2b+3)$ - Exponent for S20	See Table K for Input Values			
70	BW - Body Weight	Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70			
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens	114			
50	IR_{soil} - Soil Ingestion Rate	Residential = 200; Industrial/Commercial = 50; Construction Worker = 480			
1	IR_w - Daily Water Ingestion Rate	Residential = 2; Industrial/Commercial = 1			
170	S - Solubility in Water	Ethylbenzene = 169			
1.0E-06	TR - Target Cancer Risk	Residential = 10^{-6} ; Industrial/Commercial = 10^{-6} ; Construction Worker = 10^{-6} at point of human exposure			
250	EF - Exposure Frequency	Residential = 350; Industrial/Commercial = 250; Construction Worker = 30			
25	ED - Exposure Duration for Inhalation for Non-Carcinogens	Residential = 30; Industrial/Commercial = 25; Construction Worker = 1			
68.81	Q/C - Inverse of the mean concentration at the center of a square source	Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H			
7.90E+08	T - Exposure Interval	Residential = 9.5×10^8 ; Industrial/Commercial = 7.9×10^8 ; Construction Worker = 3.6×10^8			
30	T_{MLL} - Exposure Interval for MLL Limit Volatilization Factor Equation S26	30			
70	ED_{MLL} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28	70			
0.18	i_{MLL} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28	0.18			
0.075	D_a - Diffusivity in Air	Ethylbenzene = 0.075			
0.324	H' - Henry's Law Constant	Ethylbenzene = 0.323			
7.80E-06	D_w - Diffusivity in Water	Ethylbenzene = 7.8×10^{-6}			
25	AT - Average Time for Non-Carcinogens In Ingestion Equation	Residential = 6; Industrial/Commercial = 25; Construction Worker = 0.115			
25	AT - Average Time for Non-Carcinogens In Inhalation Equation	Residential = 30; Industrial/Commercial = 25; Construction Worker = 0.115			
1	THQ - Target Hazard Quotient	1			
1	RIC - Inhalation Reference Concentration	Chronic = 1; Subchronic = 9			
0.1	RID _o - Oral Reference Dose	Chronic = 0.1; Subchronic = 0.05			
320.00	K_{oc} - Organic Carbon Partition Coefficient	Ethylbenzene = 363			

Industrial/Commercial Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 25 \times 365}{0.000001 \times 1/0.1 \times 250 \times 25 \times 50} = \frac{638750}{3.125} = 204400 \text{ mg/kg}$$

Construction Worker Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 0.115 \times 365}{0.000001 \times 1/0.05 \times 30 \times 1 \times 480} = \frac{2938.25}{0.288} = 10202 \text{ mg/kg}$$

Industrial Commercial Inhalation

$$S-4 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIC \times 1/1VF)} = \frac{1 \times 25 \times 365}{250 \times 25 \times 1/1 \times 15177.15073} = \frac{9125}{0.411803} = 22159 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

Industrial Commercial Inhalation Objective (Carcinogen)

$$S-6 = \frac{TR \times AT \times 365}{URF \times 1000 \times EF \times ED \times (1/1VF)} = \frac{0.000001 \times 70 \times 365}{2.5E-06 \times 1000 \times 250 \times 25.0000 \times 1/15177.1507} = \frac{0.02555}{0.00103} = 24.818 \text{ mg/kg}$$

Tier 2 Inhalation Objective does not exceed Tier 1 Objective

Construction Worker Inhalation Objective (Carcinogen)

$$S-7 = \frac{TR \times AT \times 365}{URF \times 1000 \times EF \times ED \times (1/1VF)} = \frac{0.000001 \times 70 \times 365}{2.5E-06 \times 1000 \times 30 \times 1.0000 \times 1/102.4538} = \frac{0.02555}{0.000732} = 34.903 \text{ mg/kg}$$

Tier 2 Inhalation Objective does not exceed Tier 1 Objective

000493

Tier 2 Industrial/Commercial Calculations for Ethylbenzene
 Aman Food and Gas
 2014-0247

Inhalation Non-Carcinogenic Construction Worker
S-5 =
$$\frac{THQ \times AT \times 365}{EF \times ED \times (1/RI \times 1/VF)} = \frac{1}{30} \times \frac{0.115}{1} \times \frac{365}{9} \times \frac{1}{102.453772} = \frac{41.975}{0.032535} = 1290.149 \text{ mg/kg}$$
 Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

RESIDENTIAL OR COMMERCIAL
S-8 = VF =
$$\frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{\left(\frac{3.14}{2} \times \frac{6.07E-05}{1.807} \times \frac{7.90E+08}{6.07E-05} \right)^{1/2} \times 0.0001}{2.19E-04} = \frac{3.3301}{2.19E-04} = 15177.1507$$

Construction Worker
S-8 = VF =
$$\frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{\left(\frac{3.14}{2} \times \frac{6.07E-05}{1.807} \times \frac{3.60E+06}{6.07E-05} \right)^{1/2} \times 0.0001}{2.19E-04} = \frac{0.2248}{2.19E-04} = 1024.5377$$

Equation for Derivation of Volatilization Factor - Construction Worker
S-9 = VF' =
$$\frac{VF}{10} = \frac{1024.5377}{10} = 102.4538$$

Equation for Derivation of Apparent Diffusivity
S-10 = D_A =
$$\frac{(0.2^{3.33} \times D_i \times H') + (0.2^{3.33} \times D_w)}{\eta^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_s \times H')}$$

$$= \frac{\left(\frac{7.03E-04}{0.0992} \times \frac{0.075}{0.324} \right) + \left(\frac{0.0049}{0.0992} \times \frac{7.80E-06}{0.324} \right)}{\left(\frac{1}{1.807 \times 1.44} \right) + 0.20 + \left(\frac{0.113}{0.324} \right)} = 6.07E-05$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)
S-17 = C_w =
$$C_w \times \left[K_d + \frac{(\theta_w + \theta_s \times H')}{\rho_b} \right] = 14 \times \left[1.44 + \left(\frac{0.202 + \frac{0.113 \times 0.324}{1.807}}{1.807} \right) \right] = 22.009 \text{ mg/kg}$$

Target Soil Leachate Concentration (Class 1)
S-18 = C_w =
$$DF \times GW_{cbl} = 20.00 \times 0.700 = 14$$

Soil-Water Partition Coefficient
S-19 = K_d =
$$K_{oc} \times f_{oc} = 320.00 \times 0.005 = 1.44$$

Water-Filled Porosity
S-20 = θ_w =
$$\eta \times \frac{1}{K_s}^{1/(2b+1)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

000494

Tier 2 Industrial/Commercial Calculations for Ethylbenzene

Aman Food and Gas
2014-0247

Air-Filled Porosity

$$S-21 = \Theta_a = \eta \cdot \Theta_w = 0.32 \cdot 0.20 = 0.1130$$

Dilution Factor

$$S-22 = DF = 1 + \frac{K \times i \times d}{l \times L} = \frac{47.30}{0.300} \times \frac{0.0593}{23.165} \times \frac{4.147}{1} + 1 = 2.6750$$

GW Ingestion

$$S-23 = \frac{TR \times BW \times A_t \times 365}{SF_o \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 70 \times 0 \times 365}{0.000 \times 1.000 \times 250 \times 25} = \frac{0.0E+00}{0} = \text{\#DIV/0!} \text{ mg/L}$$

Total Soil Porosity

$$S-24 = \eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.837} = 0.3148$$

Estimation of Mixing Zone Depth

$$S-25 = d = (0.0112 \times L^2)^{0.5} + d_o \left[1 - \exp \left(\frac{-L \times l}{(K \times i \times d_o)} \right) \right]$$

$$= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(\frac{-23.165 \times 0.3}{\frac{47.304}{0.0593} \times 3.048} \right) \right] = 4.147 \text{ m}$$

Soil Saturation Limit

$$S-29 = C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \Theta_w + (H' \times \theta_a)] = \frac{170}{1.807} \times [(1.44 \times 1.807) + 0.202 + (0.324 \times 0.113)] = 267.25 \text{ mg/kg}$$

Soil Gas Outdoor Inhalation

$$S-30 = RO_s \text{ g} = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \Theta_a + \Theta_w + K_d \times \rho_b} = \frac{267.248 \times 0.324 \times 1.807 \times 1000}{3.240E-01 \times 0.113 + 0.202 + 1.440 \times 1.807} = 55,080.00 \text{ mg/m}^3$$

000495

Tier 2 Industrial/Commercial Calculations for Total Xylenes
Aman Food and Gas
2014-0247

Date Compiled: 03/21/19
Version: 1.7/2016

SSL RBCA
IRIS/HEAST

Input Values

0.005	foc - Total Organic Carbon (g/g)	0.005	Value from S-22	Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific
20.000	DF - Dilution Factor	2.675	Value from S-22	If calculated value for DF is less than 20, then 20 default is used, else calculated value is used
4.147	d - Mixing Zone (m)	4.147	Value from S-25	2; or calculated value
3.048	d _s - Depth of source (m)	1	feet = 10	Depth of Source (Vertical thickness of contamination)
47.30	K - Hydraulic Conductivity (m/yr)	cm/sec = 1.50E-04	Site Specific	1.30E+01 cm/d 4.73E+03 cm/yr Use cm/d for R15, R19, & R26; cm/yr for R24
23.165	L - Source Length Parallel to Groundwater Flow (m)	1	feet = 76	Site Specific (m)
3.048	d _a - Aquifer Thickness (m)	1	feet = 10	Site Specific (m)
0.3	I - Infiltration Rate (m/yr)	0.3	for Illinois	0.3 for Illinois
120	K _s - Saturated Hydraulic Conductivity			See Table K for Input Values
10.000	GW _{obj} - Groundwater Remediation Objective Class 1	10		GW _{obj} - Groundwater Remediation Objective Class 2
0.074	1/(2b+3) - Exponent for S20			See Table K for Input Values
70	BW - Body Weight			Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70
114	IF _{soil-adj} - Age Adjusted Soil Ingestion Factor for Carcinogens			114
50	IR _{soil} - Soil Ingestion Rate			Residential = 200; Industrial/Commercial = 50; Construction Worker = 480
1	IR _w - Daily Water Ingestion Rate			Residential = 2; Industrial/Commercial = 1
110	S - Solubility in Water			Total Xylenes = 186
1.0E-06	TR - Target Cancer Risk			Residential = 10 ⁻⁶ ; Industrial/Commercial = 10 ⁻⁶ ; Construction Worker = 10 ⁻⁶ at point of human exposure
250	EF - Exposure Frequency			Residential = 350; Industrial/Commercial = 250; Construction Worker = 30
25	ED - Exposure Duration for Inhalation for Non-Carcinogens			Residential = 30; Industrial/Commercial = 25; Construction Worker = 1
68.81	Q/C - Inverse of the mean concentration at the center of a square source			Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H
7.90E+08	T - Exposure Interval			Residential = 9.5 x 10 ⁸ ; Industrial/Commercial = 7.9 x 10 ⁸ ; Construction Worker = 3.6 x 10 ⁸
30	T _{MML} - Exposure Interval for MLLI Limit Volatilization Factor Equation S26			30
70	ED _M - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28			70
0.18	i _{MML} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28			0.18
0.074	D _i - Diffusivity in Air			Total Xylenes = 0.072
0.271	H' - Henry's Law Constant			Total Xylenes = 0.25
9.23E-06	D _w - Diffusivity in Water			Total Xylenes = 9.34 x 10 ⁻⁶
25	AT - Average Time for Non-Carcinogens In Ingestion Equation			Residential = 6; Industrial/Commercial = 25; Construction Worker = 0.115
25	AT - Average Time for Non-Carcinogens In Inhalation Equation			Residential = 30; Industrial/Commercial = 25; Construction Worker = 0.115
1	THQ - Target Hazard Quotient			1
0.1	RIC - Inhalation Reference Concentration			Chronic = 0.1; Subchronic = 0.4
0.2	RI _{DO} - Oral Reference Dose			Chronic = 0.2; Subchronic = 0.4
398.00	K _{oc} - Organic Carbon Partition Coefficient			Total Xylenes = 260

Industrial/Commercial Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RI_{DO}) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 25 \times 365}{0.000001 \times 1/0.2 \times 250 \times 50} = \frac{638750}{1.5625} = 408800 \text{ mg/kg}$$

Construction Worker Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RI_{DO}) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 0.115 \times 365}{0.000001 \times 1/0.4 \times 30 \times 480} = \frac{2938.25}{0.036} = 81618 \text{ mg/kg}$$

Industrial Commercial Inhalation

$$S-4 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RI_C \times 1/VF)} = \frac{1 \times 25 \times 365}{250 \times 25 \times 1/0.1 \times 1815.66263} = \frac{9125}{3.375520567} = 2703.287 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

Inhalation Non-Carcinogenic Construction Worker

$$S-5 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RI_C \times 1/VF)} = \frac{1 \times 0.115 \times 365}{30 \times 1 \times 1/0.4 \times 124.990488} = \frac{41.975}{0.600045661} = 69.953 \text{ mg/kg}$$

RESIDENTIAL OR COMMERCIAL

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_a \times T)^{1/2} \times 10^{-4}}{(2 \times r_b \times D_a)} = 85.81 \times \left(\frac{3.14 \times 4.08E-05 \times 7.90E+08}{2 \times 1.807 \times 4.08E-05} \right)^{1/2} \times 0.0001 = \frac{2.7296}{1.47E-04} = 1815.6626$$

000496

Tier 2 Industrial/Commercial Calculations for Total Xylenes

Aman Food and Gas
2014-0247

Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \left(\frac{3.14 \times 4.08E-05 \times 3.60E+06}{2 \times 1.807 \times 4.08E-05} \right)^{1/2} \times \frac{0.0001}{1.47E-04} = 1249.9049$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF' = \frac{VF}{10} = \frac{1249.9049}{10} = 124.9905$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(\theta_w^{2.33} \times D_v \times H') + (\theta_w^{3.33} \times D_w)}{\eta^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_w \times H')}$$

$$= \frac{(7.03E-04 \times 0.074 \times 0.271) + (0.0049 \times 9.23E-06)}{0.0992} \times \frac{1}{(1.807 \times 1.791) + 0.20 + (0.113 \times 0.271)} = 4.08E-05$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(\theta_w + \theta_w \times H')}{\rho_b} \right] = 200 \times \left[1.791 + \frac{0.202 + 0.113 \times 0.271}{1.807} \right] = 383.947 \text{ mg/kg}$$

Tier 2 Soil Component of GW Ingestion Objective cannot exceed Soil Saturation Limit

Target Soil Leachate Concentration (Class 1)

$$S-18 = C_w = DF \times GW_{obj} = 20.00 \times 10.000 = 200$$

Soil-Water Partition Coefficient

$$S-19 = K_d = K_{oc} \times f_{oc} = 398.00 \times 0.005 = 1.791$$

Water-Filled Porosity

$$S-20 = \theta_w = \eta \times \frac{l}{K_s}^{1/(2b+3)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

000497

Tier 2 Industrial/Commercial Calculations for Total Xylenes

Aman Food and Gas
2014-0247

Air-Filled Porosity
S-21 = $\theta_o = \eta \cdot \theta_w = 0.32 \cdot 0.20 = 0.1130$

Dilution Factor
S-22 = $DF = 1 + \frac{K \times I \times d}{I \times L} = 1 + \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} = 2.6750$

GW Ingestion
S-23 = $\frac{TR \times BW \times A_c \times 365}{SF_o \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 70 \times 0 \times 365}{0.000 \times 1.000 \times 250 \times 25} = \frac{0.0E+00}{0} = \text{\#DIV/0! mg/L}$

Total Soil Porosity
S-24 = $\eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$

Estimation of Mixing Zone Depth
S-25 = $d = (0.0112 \times L^2)^{0.5} + d_o \left[1 - \exp\left(\frac{-L \times I}{K \times I \times d_o}\right) \right]$
 $= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp\left(\frac{-23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048}\right) \right] = 4.147 \text{ m}$

Soil Saturation Limit
S-29 = $C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \theta_w + (H' \times \theta_a)] = \frac{110}{1.807} \times [(1.791 \times 1.807) + 0.202 + (0.271 \times 0.113)] = 211.17 \text{ mg/kg}$

Soil Gas Outdoor Inhalation
S-30 = $ROs \text{ g} = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \theta_a + \theta_w + K_d \times \rho_b} = \frac{69.953 \times 0.271 \times 1.807 \times 1000}{2.710E-01 \times 0.113 + 0.202 + 1.791 \times 1.807} = 9,874.94 \text{ mg/m}^3$

000498

Aman Food and Gas
2014-0247

Appendix C - Table K
Parameter Estimates for Calculating Water - Filled Soil Porosity (Ow)

Soil Texture	Saturated Hydraulic Conductivity (Ks) (m/yr)	1/ (2b+3)
Sand	1830	0.09
Loamy Sand	540	0.085
Sandy Loam	230	0.08
Silt Loam	120	0.074
Loam	60	0.073
Sandy Clay Loam	40	0.058
Silt Clay Loam	13	0.054
Clay Loam	20	0.05
Sandy Clay	10	0.042
Silt Clay	8	0.042
Clay	5	0.039

Version: 3/26/2018



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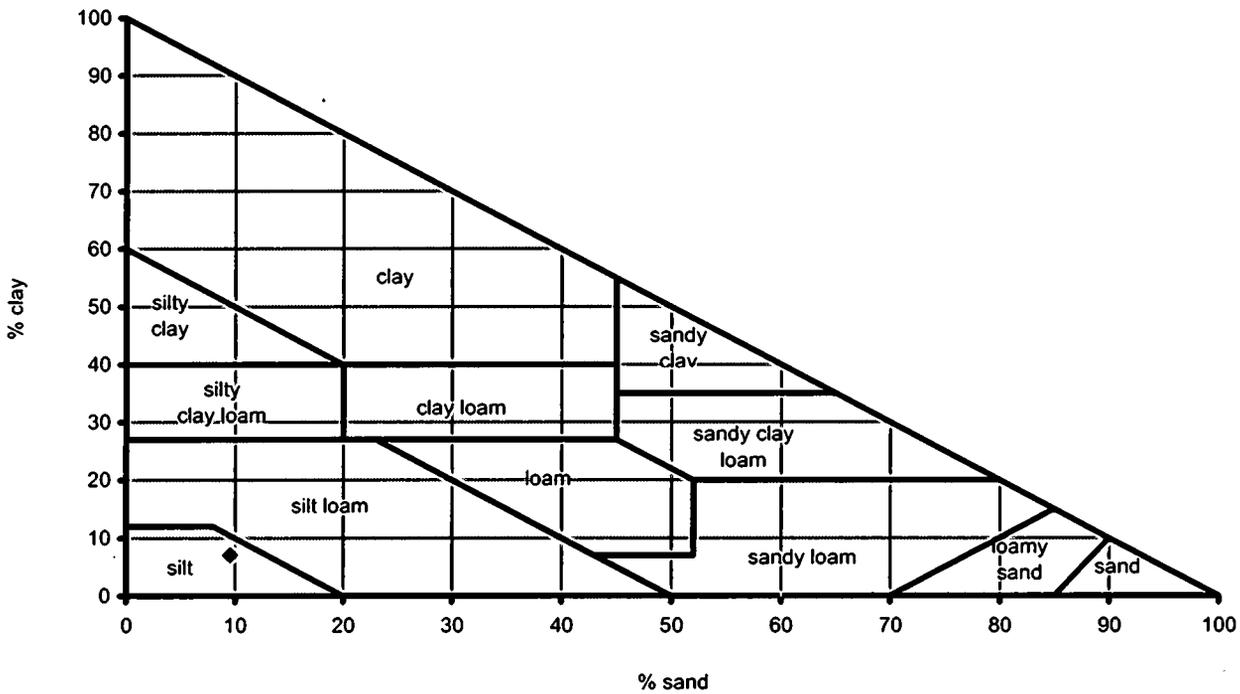


SLI Work Order: 1604H25
SLI Sample ID: 1604H25-005C

Analysis Date: 5/4/2016

% SAND % CLAY % SILT
9.6 7.1 83.32

Soil Classification: Silt



Textural triangle by A. Gerakis and B. Baer, 26 July 2000.

APPENDIX F

**BORE LOGS AND WELL COMPLETION
REPORTS**

CORRECTIVE ACTION PLAN
AMAN FOOD AND GAS
MOLINE, ILLINOIS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

PROJECT INCIDENT # 2014-0247	BOREHOLE NUMBER: RC-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 48' W & 6' S from NW corner of station
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 2/19/13 1:00 pm	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 2/19/13 1:20 pm	BACKFILL: Grout/Cuttings

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Grass						
1	Black silty loam, topsoil						
2	Dark brown silty clay	CL					
3			90%	0			
4							
5							
6	Gray silty clay	CL					
7							
8			95%				
9	Gray clayey silt	ML		960.3	Grab	RC-1-8.5'	Odor & discoloration Waste characterization parameters
10	End of boring - 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES:

Manway / Surface Elevation:

Groundwater Depth While Drilling:	N/A	Auger Depth:	10'	Driller:	CW ² M
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MAB



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LEAST INCIDENT # 2014-0247	BOREHOLE NUMBER: WC-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 3' West & 6' North of Northeast Corner of Building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Geoprobe
DATE/TIME STARTED: 3/3/14 11:10 AM	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 3/3/14 11:30 AM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0							
1	concrete with gravel subbase	OM					odor and discoloration throughout worsening with depth
2							
3	backfill sand		90%	695	grab	WC1-2.5'	
4							
5							
6							
7							
8			100%	1245.0	grab	WC1-7.5	BETX, MTBE
9							softens
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and discoloration

Manway / Surface Elevation:

Groundwater Depth While Drilling:	10'	Auger Depth:	10'	Driller:	CW ² M
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LEAST INCIDENT # 2014-0247		BOREHOLE NUMBER: WC-2	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 15'W and 33'N of NW Corner of Building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Geoprobe	
DATE/TIME STARTED: 3-3-2014 11:30		DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger	
DATE/TIME FINISHED: 3-3-2014 11:50		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0							
1	concrete with gravel subbase	OM					odor and discoloration throughout most visable at 5'
2	backfill sand		90%				
3							
4							
5	Grey Mottled Brown clayey silt, loam	CL		850	grab	WC2-2.5'	BETX, MTBE, Flash point, PH Paint Filter
6	trace sand						
7			100%	422.0	grab	WC2-7.5	
8							
9							
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and discoloration

Manway / Surface Elevation:

Groundwater Depth While Drilling:	10'	Auger Depth:	10'	Driller:	CW ² M
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

BEST INCIDENT # 2014-0247				BOREHOLE NUMBER: SB-1					
SITE NAME: Aman Food & Gas - Moline				BORING LOCATION: 45' N and 8' E corner of SE building					
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265				RIG TYPE: Truck Mounted Drill Rig					
DATE/TIME STARTED: 10/1/14 1:15 PM				DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger					
DATE/TIME FINISHED: 10/1/14 1:30 PM				BACKFILL: grout					
DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)		
0	Concrete								
1	Subbase						No odor or discoloration		
2	Light brown silty clay	CL	90%	5.0	Grab	SB-1 2.5'	BETX, MTBE		
3									
4									
5									
6									
7					90%	20.0	Grab	SB-1 7.5'	BETX, MTBE
8									
9									
10									Wet
11			End of Boring 10'						
12									
13									
14									
15									

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling:	~10	Auger Depth:	10'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR,MJS



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CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

PROJECT INCIDENT # 2014-0247		BOREHOLE NUMBER: SB-2	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 37' E and 7' N of NE corner of building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill Rig	
DATE/TIME STARTED: 10/1/14 1:30 PM		DRILLING/SAMPLE METHOD: Push	
DATE/TIME FINISHED: 10/1/14 1:45 PM		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No odor or discoloration
2	Dark brown silty clay	CL	95%	12.0	Grab	SB-2 2.5'	BETX, MTBE
3							
4	Brown silty clay	CL					
5							
6							
7			100%	8.0	Grab	SB-2 7.5'	BETX, MTBE
8							
9							
10	End of Boring 10'						wet
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling:	~10	Auger Depth:	10'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR/MJS



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CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

BEST INCIDENT # 2014-0247		BOREHOLE NUMBER: SB-3	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 25' N and 17' E of NE corner building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill Rig	
DATE/TIME STARTED: 10/1/14 1:45 PM		DRILLING/SAMPLE METHOD: push	
DATE/TIME FINISHED: 10/1/14 2:00 PM		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor / Discoloration
2	Brown silty clay	CL	90%	23.0	Grab	SB-3 2.5'	BETX, MTBE
3							
4							
5							
6							
7							
8			100%	54.0	Grab	SB-3 7.5	BETX, MTBE
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling:	~10	Auger Depth:	10'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR,MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

TEST INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-4
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 30' N and 15' E of NW corner building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 4/19/16 12:15 PM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 4/19/16 12:30 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Top soil	OL					
1	Dark brown silty clay	CL	95%	.0.0	Grab	SB-4 2.5'	No Odor / Discoloration
2							BETX, MTBE
3	Brown silty clay	CL	100%	0.0	Grab	SB-4 7.5'	BETX, MTBE
4							
5							Wet
6							
7							
8							
9							
10	End of Boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~9-10 **Auger Depth:** 10' **Driller:** AEDC

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MDR,MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

COST INCIDENT # 2014-0247				BOREHOLE NUMBER: TACO-1			
SITE NAME: Aman Food & Gas - Moline				BORING LOCATION: 2' S of MW-1			
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265				RIG TYPE: Truck Mounted Drill Rig			
DATE/TIME STARTED: 4/19/16 12:00 PM				DRILLING/SAMPLE METHOD: push			
DATE/TIME FINISHED: 4/19/16 12:15 PM				BACKFILL: grout			
DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor / Discoloration
2	Light brown silty clay	CL	90%	0.0	Grab	TACO-1 2.5'	
3							
4							
5							
6							
7	Brown silty clay with trace of sand	CL	100%	0.0	Grab	TACO-1 7.5'	BETX, MTBE, TACO Parameters
8							
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled for TACO as well as BETX, MTBE per IEPA Request

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~9'10' Auger Depth: 10' Driller: AEDC

Groundwater Depth After Drilling: Rotary Depth: Geologist: MDR,MJS



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CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247 SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BOREHOLE NUMBER: MW-1 BORING LOCATION: 35' S and 10' W of SE corner of building RIG TYPE: Truck Mounted Drill
DATE/TIME STARTED: 10-1-14 9:30 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
DATE/TIME FINISHED: 10-1-14 10:15 AM	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Subbase						No Odor or Discoloration
1	Light Brown Silty Clay	CL	90%	10.0	Grab	MW-1 2.5'	BETX, MTBE
2							
3							
4							
5							
6	Brown Silty Clay with Trace of Sand	CL	100%	12.0	Grab	MW-1 7.5'	BETX, MTBE
7							
8							
9							
10							
11							Wet
12							
13			100%				
14							
15	End of boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	102.2'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS
Groundwater Depth After Drilling:					



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

BEST INCIDENT # 2014-0247		BOREHOLE NUMBER: MW-2	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 36' E and 54' N of SE corner of building	
1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill	
DATE/TIME STARTED: 10-1-14 10:15 AM		DRILLING/SAMPLE METHOD: Hollow Stem Auger	
DATE/TIME FINISHED: 10-1-14 11:00 AM		BACKFILL: N/A - Well Set	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	95%	15.0	Grab	MW-2 2.5'	BETX, MTBE
3							
4	Brown Silty Clay	CL					
5							
6							
7							
8	Brown Silty Clay with Traces of Sand	CL	100%	10.0	Grab	MW-2 7.5'	BETX, MTBE
9							
10							Wet
11							
12							
13			90%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	101.18'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS
Groundwater Depth After Drilling:					



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DRILLING BOREHOLE LOG

Page 1 of 1

TEST INCIDENT # 2014-0247		BOREHOLE NUMBER: MW-3	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 40' N and 5' W of NE corner of building	
1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill	
DATE/TIME STARTED: 10-1-14 11:00 AM		DRILLING/SAMPLE METHOD: Hollow Stem Auger	
DATE/TIME FINISHED: 10-1-14 11:45 AM		BACKFILL: N/A - Well Set	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	90%	25.0	Grab	MW-3 2.5'	BETX, MTBE
4	Brown Silty Clay	CL					
7			100%	42.0	Grab	MW-3 7.5'	BETX, MTBE
10							Wet
13			100%				
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	100.0'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

PROJECT INCIDENT # 2014-0247		BOREHOLE NUMBER: MW-4	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 10' W and 45' N of SW corner of building	
1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill	
DATE/TIME STARTED: 10-1-14 11:45 AM		DRILLING/SAMPLE METHOD: Hollow Stem Auger	
DATE/TIME FINISHED: 10-1-14 12:30 PM		BACKFILL: N/A - Well Set	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Grass						
0	Top Soil						No Odor or Discoloration
1	Dark Brown Silty Clay	CL					
2			95%	11.0	Grab	MW-4 2.5'	BETX, MTBE
3							
4	Brown Silty Clay	CL					
5							
6							
7			100%	16.0	Grab	MW-4 7.5'	BETX, MTBE
8							
9							
10							Wet
11							
12							
13							
14							
15	End of boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	101.79'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

PROJECT INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-5
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 3' W & 6' N of NE corner of building
1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill
DATE/TIME STARTED: 10-1-14 12:30 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
DATE/TIME FINISHED: 10-1-14 1:15 PM	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Gravel Subbase	OM					Odor and Discoloration
2	Backfill Sand		90%	700	-	-	
3							
4							
5							
6							
7							
8			100%	1200.0	-	-	
9							
10							Wet
11							
12							
13							
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Well Installation; Field Screened Only

Manway / Surface Elevation:	101.75'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

LEAST INCIDENT # 2014-0247		BOREHOLE NUMBER: MW-6	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 37' N & 2' E of NW corner of building	
1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill	
DATE/TIME STARTED: 4-19-16 10:30 AM		DRILLING/SAMPLE METHOD: Hollow Stem Auger	
DATE/TIME FINISHED: 4-19-16 11:15 AM		BACKFILL: N/A - Well Set	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase	GP					Slight Odor/Discoloration
2	Dark Brown Silty Clay	CL	90%	14	Grab	MW-6 2.5'	BETX, MTBE
3							
4							
5							
6	Brown Silty Clay	CL					
7			100%	95.0	Grab	MW-6 7.5'	BETX, MTBE
8							
9							Wet
10							
11							
12							
13			100%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	100.47'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	9'-10'	Rotary Depth:		Installer:	MDR/MJS

Illinois Environmental Protection Agency

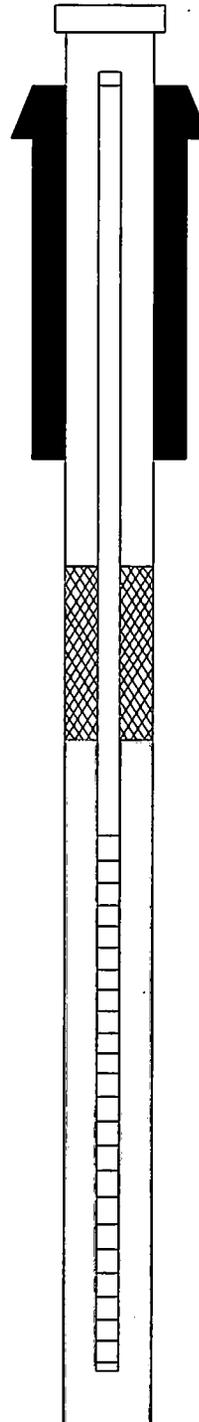
LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

Well No. MW-1
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20



102.20 ft. Top of Protective Casing
 101.95 ft. Top of riser pipe
 102.20 ft. Ground surface
 101.70 ft. Top of Annular Sealant
 N/A Casing Stickup

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel

101.70 ft. Top of Seal
 3.00 ft. Total Seal interval
 98.70 ft. Top of Sand
 97.70 ft. Top of Screen

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	91.68 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

10.0 ft. Total Screen Interval

Completed by: MJS

87.70 ft. Bottom of Screen
 87.20 ft. Bottom of Borehole

Illinois Environmental Protection Agency

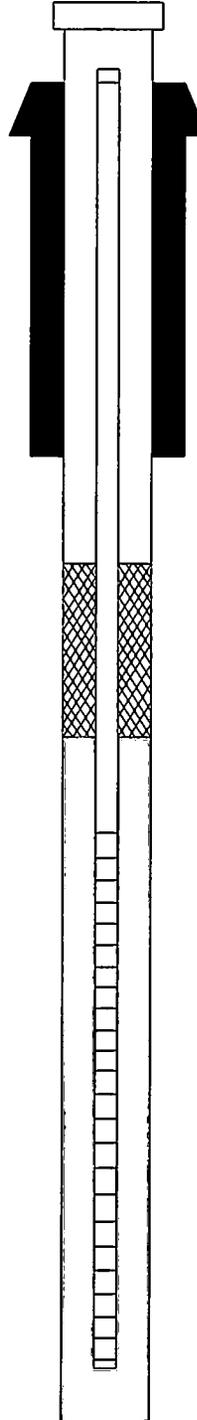
LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

Well No. MW-2
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20



Top of Protective Casing 101.18 ft.
 Top of riser pipe 100.93 ft.
 Ground surface 101.18 ft.
 Top of Annular Sealant 100.68 ft.
 Casing Stickup N/A

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel

Top of Seal 100.68 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 97.68 ft.
 Top of Screen 96.68 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	96.07 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Total Screen Interval 10.0 ft.

Completed by: MJS

Bottom of Screen 86.68 ft.
 Bottom of Borehole 86.18 ft.

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

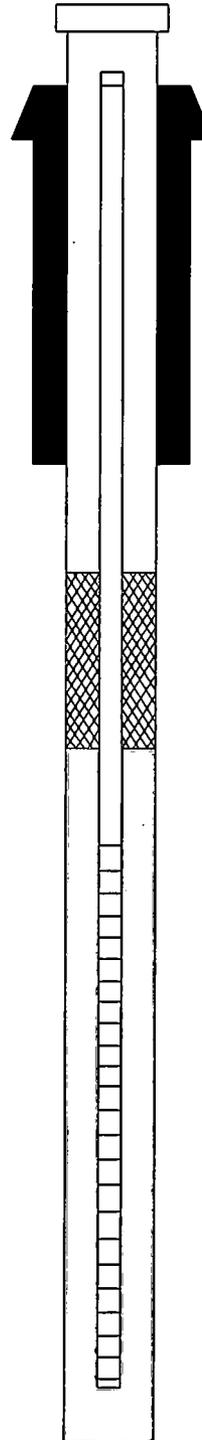
Well No. MW-3
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



100.00 ft. Top of Protective Casing
99.75 ft. Top of riser pipe
100.00 ft. Ground surface
 Top of Annular Sealant
99.50 ft. Sealant
N/A Casing Stickup

99.50 ft. Top of Seal
3.00 ft. Total Seal interval
96.50 ft. Top of Sand
95.50 ft. Top of Screen

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	90.87 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

10.0 ft. Total Screen Interval

85.50 ft. Bottom of Screen
85.00 ft. Bottom of Borehole

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

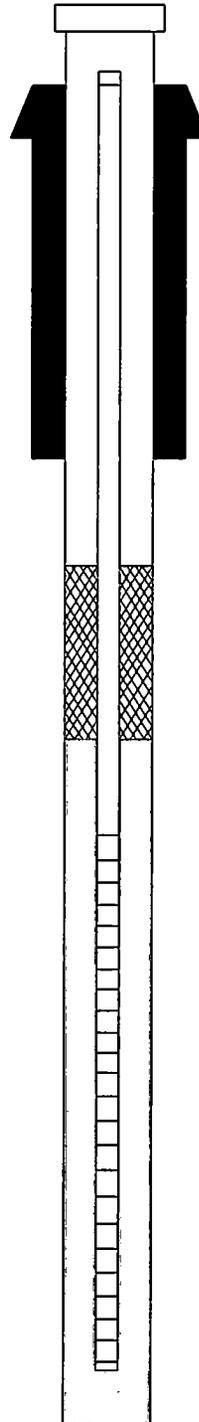
Well No. MW-4
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.79 ft.
 Top of riser pipe 101.54 ft.
 Ground surface 101.79 ft.
 Top of Annular Sealant 101.29 ft.
 Casing Stickup N/A

Top of Seal 101.29 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.29 ft.
 Top of Screen 97.29 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	88.36 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Total Screen Interval 10.0 ft.

Bottom of Screen 87.29 ft.
 Bottom of Borehole 86.79 ft.

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

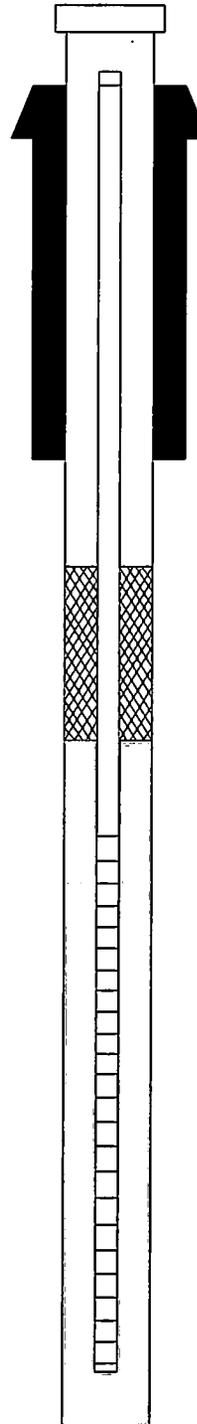
Well No. MW-5
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.75 ft.
 Top of riser pipe 101.50 ft.
 Ground surface 101.75 ft.
 Top of Annular Sealant 101.25 ft.
 Casing Stickup N/A

Top of Seal 101.25 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.25 ft.
 Top of Screen 97.25 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 87.25 ft.
 Bottom of Borehole 86.75 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	93.03 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

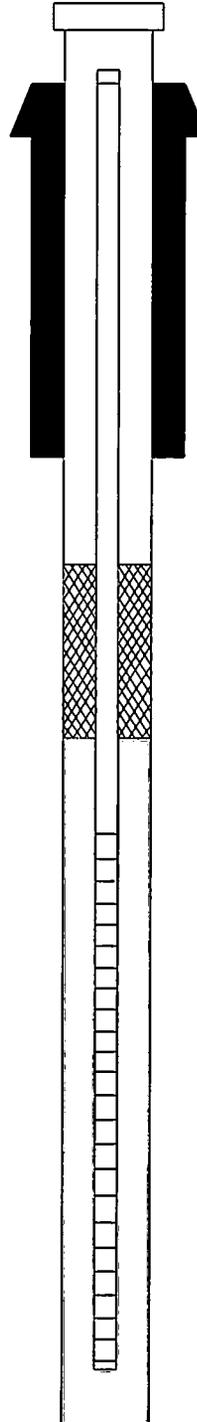
Well No. MW-6
 Date Drilled 4/19/2016
 Date Completed 4/19/2016
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 100.47 ft.
 Top of riser pipe 100.22 ft.
 Ground surface 100.47 ft.
 Top of Annular Sealant 99.97 ft.
 Casing Stickup N/A

Top of Seal 99.97 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 96.97 ft.
 Top of Screen 95.97 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 85.97 ft.
 Bottom of Borehole 85.47 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	9-10' ft. while drilling
Depth to Water	93.77 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	
Gallons removed (purge)	
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

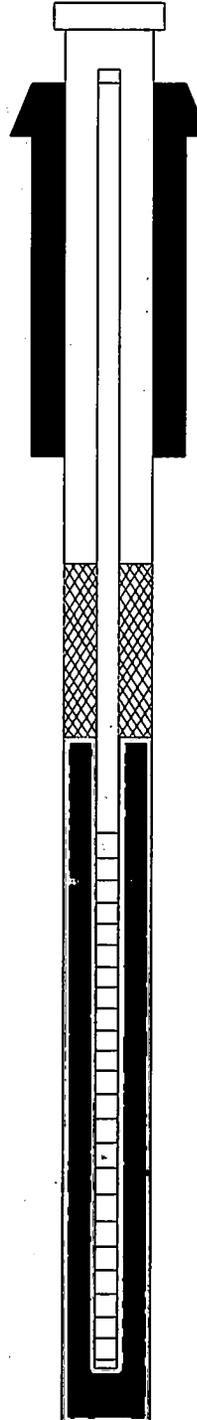
Well No. MW-7
 Date Drilled 4/19/2016
 Date Completed 4/19/2016
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 100.60 ft.
 Top of riser pipe 100.35 ft.
 Ground surface 100.60 ft.
 Top of Annular Sealant 100.10 ft.
 Casing Stickup N/A

Top of Seal 100.10 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 97.10 ft.
 Top of Screen 96.10 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 86.10 ft.
 Bottom of Borehole 85.60 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	9-10' ft. while drilling
Depth to Water	94.55 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	
Gallons removed (purge)	
Other	

Completed by: MJS

APPENDIX G
ANALYTICAL RESULTS

CORRECTIVE ACTION PLAN
AMAN FOOD AND GAS
MOLINE, ILLINOIS

**Aman Food Gas
Soil Data**

Early Action

	Location	1	2	3	4	5	6	7
	Date	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
	Depth							
Parameter	Class I CUO							
Benzene	0.03	0.561	1.4	2.2	1.63	0.14	0.463	0.151
Ethylbenzene	13.0	6.36	28.2	6.42	20.4	0.237	ND	1.3
Toluene	12.0	0.338	0.207	0.102	1.96	ND	ND	1.96
Total Xylenes	5.6	19.1	115	8.27	93.5	0.879	0.184	7.48
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	8	9	10	11	12	13	14
	Date	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
	Depth							
Parameter	Class I CUO							
Benzene	0.03	20.3	0.28	0.0467	ND	ND	1.22	0.41
Ethylbenzene	13.0	34.7	4.73	ND	ND	ND	10.3	9.91
Toluene	12.0	133.	10.3	0.0825	ND	ND	0.156	ND
Total Xylenes	5.6	170.	26.1	0.227	ND	ND	24.2	1.7
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	15	16	17
	Date	5/5/2014	5/5/2014	5/5/2014
	Depth			
Parameter	Class I CUO			
Benzene	0.03	0.346	0.0637	ND
Ethylbenzene	13.0	8.08	0.169	ND
Toluene	12.0	3.05	0.417	ND
Total Xylenes	5.6	41.4	0.924	ND
MTBE	0.32	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 1 Soil

	Location	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4
	Date	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
	Depth	2.5	7.5	2.5	7.5	2.5	7.5	2.5
Parameter	Class I CUO							
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 1 Soil

	Location	MW-4	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
	Date	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
	Depth	7.5	2.5	7.5	2.5	7.5	2.5	7.5
Parameter	Class I CUO							
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Site Assessment Data**

Stage 1 GW

	Location	MW-1	MW-2	MW-3	MW-4	MW-5
	Date	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
Parameter	Class I CUO					
Benzene	0.005	ND	ND	0.084	ND	ND
Ethylbenzene	0.7	ND	ND	0.054	0.034	ND
Toluene	1.0	ND	ND	0.006	0.198	ND
Total Xylenes	10.0	ND	ND	0.051	0.11	ND
MTBE	0.07	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 2 Soil

	Location	MW-6	MW-6	SB-4	SB-4
	Date	4/19/2016	4/19/2016	4/19/2016	4/19/2016
	Depth	2.5	7.5	2.5	7.5
Parameter	Class I CUO				
Benzene	0.03	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND

**Aman Food Gas
Site Assessment Data**

Stage 2 GW

	Location	MW-6	MW-7
	Date	4/20/2016	4/20/2016
Parameter	Class I CUO		
Benzene	0.005	0.119	ND
Ethylbenzene	0.7	2.55	ND
Toluene	1.0	0.013	ND
Total Xylenes	10.0	6.0	ND
MTBE	0.07	ND	ND

Site	Aman Food & Gas
Sample ID	TACO-1
Date	4/19/2016
FOC	0.45%
Gravel	0%
Sand	9.50%
Silt	83.30%
Clay	3.10%
Bulk Density	1.807 g/cm ³
Percent Moisture	18.00%
Specific Gravity	2.637 g/cm ³

LEAKING UST TECHNICAL REVIEW NOTES

AUG 14 2019

REVIEWER: JMR

Reviewed by: Eric Kuhlman

Re: 1610455194 – Rock Island County

Date Reviewed: 7-24-2019

Moline / Aman Food & Gas

1830 5th Avenue

Leaking UST Incident 20140247

Leaking UST Technical File

Document(s) Reviewed:

CAP / BUD

General Site Information:

Site subject to: 734

IEMA date(s): 3-3-2014	Payment from the Fund? (Y/N/unknown): Y
UST system removed? (Y/N): Y	OSFM Fac. ID #: 3008580
Encountered groundwater? (Y/N): Y	SWAP mapping and evaluation completion date: 7-24-2019
Free product? (Y/N/unknown): N	Site placement correct in SWAP? (Y/N): Y
Current/past land use: convenience store	Inspection Required? N
Size & product of USTs: (1) 5,000-gallon gasoline (1) 3,000-gallon gasoline (1) 4,000-gallon gasoline	
Is site located in EJ area? Y	Is investigation of indoor inhalation exposure route required? Y
Has enough sampling been completed to perform a Right-to-Know Evaluation? Y	PLA Checklist Complete? Y

BOL File Information:(optional) (Arranged chronologically):

On 3-3-2014, two (2) soil borings [WC-1, WC-2] were drilled near the underground storage tanks (USTs) field for release confirmation/waste characterization sampling to depths of 10 feet below ground surface (bgs). Two (2) soil samples were collected and analyzed for BETX, MTBE, pH, flashpoint, and paint filter. Analytical results indicated COCs > Tier I SROs for C_{sat} in WC-1 8'(X); CW Inh in WC-1 8'(BETX), WC-2 3'(X); R Inh in WC-1 8'(BX); SCGI in WC-1 8'(BETX), WC-2 3'(B). Based on these analytical results, this release was reported to IEMA and assigned LUST Incident #20140247.

On 5-1-2014, three (3) USTs and product piping were removed from the site. Approximately 514 cubic yards (771 tons) of contaminated backfill was removed from UST pit and disposed offsite. Seventeen (17) soil samples [1 through 17] were collected every 20 feet from sidewalls and floor of the excavation as well as piping runs and analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I SROs for R Ing in 8(B); CW Inh in 1(B), 2(X), 3(BX), 4(X), 7(X), 8(BTX), 9(X), 13(X), 15(X); R Inh in 2(B), 3(B), 4(B), 8(B), 13(B); SCGI in 1(B), 2(B), 4(BE), 5(B), 6(B), 7(B), 8(BETX), 9(B), 10(B), 13(B), 14(B), 16(B), 17(B).

Page 2

On 5-2-2014, CWM submitted **45-Day Report** dated 5-2-2014 that documented uncompleted Early Action (EA) activities due to scheduling conflicts trying to arrange the USTs removal to coincide with the installation of new USTs.

In accordance with ISGS, ISWS, and IEPA DPWS, there are ten (10) ISGS were within 2,500 feet of the site; the closest well is approximately 475 feet from the site and there's a groundwater ordinance extending over the entire City of Moline. ISGS Circular 532, also known as the "Berg Circular" indicates this site is located within an area classified as "C5", a predominantly till with discontinuous sand and gravel locally present within fifty feet of the surface.

On 6-2-2014, CWM submitted **AM 45-Day Report** dated 6-3-2014 that documented the EA activities which included the removal of the USTs on 5-1-2014. *The IEPA approved 45-Day Reports in a letter dated 8-29-2014.*

On 10-1-2014, three (3) soil borings [**SB-1 through SB-3**] were drilled around pump islands to depths of 10 feet bgs and five (5) monitoring wells [**MW-1 through MW-5**] were installed along property boundaries to depths of 15 feet bgs. Groundwater was encountered while drilling at 10 feet bgs. Fourteen (14) soil samples were collected and analyzed for BETX/MTBE. Analytical results indicated COCs < Tier I SROs.

On 12-11-2014, five (5) groundwater samples were collected from MW-1 through MW-5 and analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I GROs for **WCGI** in MW-3(B). Groundwater flow direction was to the west-southwest (SW).

On 7-23-2015, CWM submitted **S2 SIP** dated 7-22-2015 that proposed to drill three (3) soil borings and convert two (2) borings as groundwater monitoring wells. One (1) additional boring will be drilled to collect TACO parameters. Soil and groundwater samples will be collected and analyzed for BETX/MTBE. *The IEPA modified S2 SIP in a letter dated 11-5-2015.*

On 4-19-2016, one (1) soil boring [**SB-4**] was drilled to depths of 10 feet bgs and two (2) monitoring wells [**MW-6, MW-7**] were installed to depths of 15 feet bgs. One (1) additional soil boring [**TACO-1**] was advanced to depths of 10 feet bgs to determine site-specific TACO parameters. Groundwater was encountered while drilling at 9-10 feet bgs. Five (5) soil samples were collected and analyzed for BETX/MTBE; plus, moisture content (ω), organic carbon content (f_{oc}), soil particle density (ρ_s), soil bulk density (ρ_b), and sieve analysis for TACO-1. Analytical results indicated COCs < Tier I SROs and ρ_b of 1.807 g/cm³, f_{oc} of 0.00450 g/g, ρ_s of 2.637 g/cm³, ω of 18%, and Soil Classification of **Silt** (9.6% sand, 7.1% clay, 83.3% silt).

On 4-19-2016, one (1) rising head slug test was performed on monitoring well MW-1 indicated a hydraulic conductivity value (K) of 4.91×10^{-6} cm/sec using Bouwer & Rice Method.

On 4-20-2016, two (2) groundwater samples were collected from MW-6 and MW-7 and then analyzed for BETX/MTBE. Analytical results indicated COCs > Tier I GROs for **WCGI** in MW-6(BE). Groundwater flow direction was to the southwest (SW).

Page 3

On 7-29-2016, CWM submitted **S3 SIP** dated 7-28-2016 that proposed to install two (2) offsite monitoring wells; one well across 5th Avenue and another well on western adjacent property. Groundwater samples will be collected and analyzed for BETX/MTBE. *The IEPA modified S3 SIP in a letter dated 1-23-2017.*

On 3-23-2017, Jeet Singh (dba Aman Food & Gas) filed an appeal [**PCB 17-51**] to review the Agency's decision to modified Singh's budgets for offsite site investigation. This case is part of a larger group of UST appeals involving the same parties [**PCB 17-1**] and the PCB's decision is still pending as of 11-14-2018.

On 11-13-2018, CWM submitted **SICR** dated 11-13-2018 that tried to define the extent of soil and groundwater contamination associated with this release, except for those offsite properties that CWM considered denied access. *The IEPA modified S3 SIP in a letter dated 3-13-2019.*

Corrective Action Plan/Budget Review Notes:

On 4-9-2019, CWM submitted **CAP** dated 4-9-2019 that proposed one (1) monitoring well be installed across 5th Avenue and one (1) soil vapor gas boring be drilled adjacent to EA sample 8. Groundwater samples and soil gas samples will be collected and analyzed for BETX/MTBE. CWM also proposed utilizing TACO and institutional controls like industrial/commercial land use restriction, construction worker caution, an engineered barrier, and Moline's groundwater ordinance as methods of remediation.

Illinois EPA Decision:

The PM recommends the CAP be modified with the following conditions:

- 1) The proposed construction worker caution shown in Drawing 0011, should be a rectangle with identifiable points, so that the boundaries of the proposed construction worker caution can be more easily identified.
- 2) The proposed engineered barrier shown in Drawing 0016 should be a rectangle with identifiable points, so that the boundaries of the proposed engineered barrier can be more easily identified.
- 3) The groundwater modelling area shown in Drawing 0012, should be increased to ninety degrees (90°) perpendicular to the direction of groundwater flow to more accurately identify those property owners that should be notified.

The PM also recommends the BUD be approved.

[see Attachment A]

Response Due:

8-7-2019

**The appearance of some of the images
following this page is due to**

Poor Quality Original Documents

and not the scanning or filming processes.

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Electronic Filing: Received, Clerk's Office 04/05/2023

Chemical: Benzene Soil pH (if applicable) 6.8

CAS No. 71-43-2

Soil Ingestion R.O.'s (mg/kg)		
Residential	Industrial/Commercial	Construction Worker
1.2E+01	1.0E+02	2.0E+03
Carcinogen S2	Carcinogen S3	Non-Carcinogen S1

LPC No.:	0
Site Name:	0
Project Manager:	0
Date Run:	7/26/2019

Outdoor Inhalation R.O.'s - Organics (mg/kg) Infinite Source - Surface Soils (VF=S8/S9)		
Residential - Default	Industrial/Commercial - Default	Construction Worker - Default
8.0E-01	1.5E+00	2.2E+00
Carcinogen S6	Carcinogen S6	Carcinogen S7

Chemical/Physical Parameters		
Parameter	Value	Unit
S	1.80E+03	mg/L
D _i	8.80E-02	cm ² /s
D _w	1.02E-05	cm ² /s
H'	2.30E-01	unitless
K _{oc}	5.00E+01	L/kg

Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Surface Soils (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
2.1E+01	3.5E+01	7.2E+02
Carcinogen S6	Carcinogen S6	Carcinogen S7

Carcinogen Toxicity Parameters		
Parameter	Value	Unit
SF _o Residential	5.5E-02	(mg/kg-d) ⁻¹
SF _o I/C and CW	5.5E-02	(mg/kg-d) ⁻¹
URF Residential	7.8E-06	(ug/mg ³) ⁻¹
URF I/C and CW	7.8E-06	(ug/mg ³) ⁻¹

Tier 3 Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Surface Soils Using Correct T _{M-L} Values (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
2.1E+01	2.9E+01	2.4E+01
Carcinogen S6	Carcinogen S6	Carcinogen S7

Non-Carcinogen Toxicity Parameters		
Parameter	Value	Unit
RfD	4.0E-03	mg/(kg-d)
RfD _s	1.0E-02	mg/(kg-d)
RfC	3.0E-02	mg/m ³
RfC _s	8.0E-02	mg/m ³

Outdoor Inhalation R.O.'s - Organics (mg/kg) Infinite Source - Subsurface Soils (VF=S8/S9)		
Residential	Industrial/Commercial	Construction Worker
2.2E+00	4.1E+00	5.8E+00
Carcinogen S6	Carcinogen S6	Carcinogen S7

Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Subsurface Soils (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
1.7E+01	2.9E+01	6.0E+02
Carcinogen S6	Carcinogen S6	Carcinogen S7

Default Soil Saturation (C _{sat}) Limits (mg/kg)	
Outdoor Inhalation C _{sat}	Soil Component of GW Ingestion C _{sat}
8.0E+02	5.8E+02
Site-Specific Soil Saturation (C _{sat}) Limits S29 (mg/kg)	
Surface C _{sat}	Subsurface C _{sat}
8.0E+02	6.3E+02

Tier 3 Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Subsurface Soils Using Correct T _{M-L} Values (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
1.7E+01	2.4E+01	2.0E+01
Carcinogen S6	Carcinogen S6	Carcinogen S7

Outdoor Inhalation R.O.'s - Fugitive Dusts (mg/kg)		
Residential	Industrial/Commercial	Construction Worker
4.1E+05	6.5E+05	1.4E+07
Carcinogen S13	Carcinogen S13	Carcinogen S14

Calculated Groundwater Objectives Using S23 or Non-Carcinogen Procedure in 620 Regulations		
Class I GW _{obj}	Class II GW _{obj}	Unit
Use MCL Value in App. B, Table E or Non-TACO Groundwater Objective	Use App. B, Table E or Non-TACO Groundwater Objective	mg/L

Appendix B, Table E Groundwater Objectives		
Class I GW _{obj}	Class II GW _{obj}	Unit
5.00E-03	2.50E-02	mg/L

Soil Component of GW Ingestion R.O.'s for Surface Soils Using Appendix B, Table E Values (mg/kg)	
Class I - Infinite Source (S17) Surface Soils	Class II - Infinite Source (S17) Surface Soils
4.4E-02	2.2E-01
Class I - Mass-Limit (S28) Surface Soils	Class II - Mass-Limit (S28) Surface Soils
9.0E-01	4.5E+00

Soil Component of Groundwater Ingestion R.O.'s Using S23 or Non-Carcinogenic Procedure in 620 Regulations to develop GW _{obj} for Surface Soils (mg/kg)	
Class I Infinite source (S17) Surface Soils	Class II Infinite source (S17) Surface Soils
Not Applicable	Not Applicable
Class I Mass-Limit (S28) Surface Soils	Class II Mass-Limit (S28) Surface Soils
Not Applicable	Not Applicable

Soil Component of GW Ingestion R.O.'s for Subsurface Soils Using Appendix B, Table E Values (mg/kg)	
Class I - Infinite Source (S17) Subsurface Soils - Default	Class II - Infinite Source (S17) Subsurface Soils - Default
3.5E-02	1.8E-01
Class I - Mass-Limit (S28) Subsurface Soils	Class II - Mass-Limit (S28) Subsurface Soils
7.5E-01	3.8E+00

Soil Component of Groundwater Ingestion R.O.'s Using S23 or Non-Carcinogenic Procedure in 620 Regulations to develop GW _{obj} for Subsurface Soils (mg/kg)	
Class I - Infinite Source (S17) Subsurface Soils - Default	Class II - Infinite Source (S17) Subsurface Soils - Default
Not Applicable	Not Applicable
Class I - Mass-Limit (S28) Subsurface Soils	Class II - Mass-Limit (S28) Subsurface Soils
Not Applicable	Not Applicable

Electronic Filing: Received, Clerk's Office 04/05/2023

Chemical: **Toluene**

Soil pH (if applicable) 6.8

CAS No. 108-88-3

Soil Ingestion R.O.'s (mg/kg)		
Residential	Industrial/Commercial	Construction Worker
6.3E+03	1.6E+05	1.6E+05
Non-Carcinogen S1	Non-Carcinogen S1	Non-Carcinogen S1

LPC No.:	0
Site Name:	0
Project Manager:	0
Date Run:	7/26/2019

Outdoor Inhalation R.O.'s - Organics (mg/kg) Infinite Source - Surface Soils (VF=S8/S9)		
Residential - Default	Industrial/Commercial - Default	Construction Worker - Default
Csat Applies	Csat Applies	2.0E+02
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Chemical/Physical Parameters		
Parameter	Value	Unit
S	5.30E+02	mg/L
D _i	8.70E-02	cm ² /s
D _w	8.60E-06	cm ² /s
H'	2.71E-01	unitless
K _{oc}	1.58E+02	L/kg

Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Surface Soils (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	Csat Applies
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Carcinogen Toxicity Parameters		
Parameter	Value	Unit
SF ₆ Residential	No Data	(mg/kg-d) ⁻¹
SF ₆ I/C and CW	No Data	(mg/kg-d) ⁻¹
URF Residential	No Data	(ug/mg ³) ⁻¹
URF I/C and CW	No Data	(ug/mg ³) ⁻¹

Tier 3 Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Surface Soils Using Correct T _{M-L} Values (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	Csat Applies
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Non-Carcinogen Toxicity Parameters		
Parameter	Value	Unit
RfD	8.0E-02	mg/(kg-d)
RfD _s	8.0E-01	mg/(kg-d)
RfC	5.0E+00	mg/m ³
RfC _s	5.0E+00	mg/m ³

Outdoor Inhalation R.O.'s - Organics (mg/kg) Infinite Source - Subsurface Soils (VF=S8/S9)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	5.3E+02
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Subsurface Soils (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	Csat Applies
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Tier 3 Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Subsurface Soils Using Correct T _{M-L} Values (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	Csat Applies
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Default Soil Saturation (C _{sat}) Limits (mg/kg)	
Outdoor Inhalation C _{sat}	Soil Component of GW Ingestion C _{sat}
5.8E+02	2.9E+02
Site-Specific Soil Saturation (C _{sat}) Limits S29 (mg/kg)	
Surface C _{sat}	Subsurface C _{sat}
5.8E+02	4.5E+02

Outdoor Inhalation R.O.'s - Fugitive Dusts (mg/kg)		
Residential	Industrial/Commercial	Construction Worker
6.9E+09	9.1E+09	8.7E+08
Non-Carcinogen S11	Non-Carcinogen S11	Non-Carcinogen S12

Appendix B, Table E Groundwater Objectives		
Class I GW _{obj}	Class II GW _{obj}	Unit
1.00E+00	2.50E+00	mg/L

Calculated Groundwater Objectives Using S23 or Non-Carcinogen Procedure in 620 Regulations		
Class I GW _{obj}	Class II GW _{obj}	Unit
Use MCL Value in App. B, Table E or Non-TACO Groundwater Objective	Use App. B, Table E or Non-TACO Groundwater Objective	mg/L

Soil Component of GW Ingestion R.O.'s for Surface Soils Using Appendix B, Table E Values (mg/kg)	
Class I - Infinite Source (S17) Surface Soils	Class II - Infinite Source (S17) Surface Soils
2.2E+01	5.5E+01
Class I - Mass-Limit (S28) Surface Soils	Class II - Mass-Limit (S28) Surface Soils
1.8E+02	Csat Applies

Soil Component of Groundwater Ingestion R.O.'s Using S23 or Non-Carcinogenic Procedure in 620 Regulations to develop GW _{obj} for Surface Soils (mg/kg)	
Class I Infinite source (S17) Surface Soils	Class II Infinite source (S17) Surface Soils
Not Applicable	Not Applicable
Class I Mass-Limit (S28) Surface Soils	Class II Mass-Limit (S28) Surface Soils
Not Applicable	Not Applicable

Soil Component of GW Ingestion R.O.'s for Subsurface Soils Using Appendix B, Table E Values (mg/kg)	
Class I - Infinite Source (S17) Subsurface Soils - Default	Class II - Infinite Source (S17) Subsurface Soils - Default
1.7E+01	4.2E+01
Class I - Mass-Limit (S28) Subsurface Soils	Class II - Mass-Limit (S28) Subsurface Soils
1.5E+02	Csat Applies

Soil Component of Groundwater Ingestion R.O.'s Using S23 or Non-Carcinogenic Procedure in 620 Regulations to develop GW _{obj} for Subsurface Soils (mg/kg)	
Class I - Infinite Source (S17) Subsurface Soils - Default	Class II - Infinite Source (S17) Subsurface Soils - Default
Not Applicable	Not Applicable
Class I - Mass-Limit (S28) Subsurface Soils	Class II - Mass-Limit (S28) Subsurface Soils
Not Applicable	Not Applicable

Electronic Filing: Received, Clerk's Office 04/05/2023

Chemical: **Xylenes (Total)**

Soil pH (if applicable) **6.8**

CAS No. 1330-20-7

Soil Ingestion R.O.'s (mg/kg)		
Residential	Industrial/Commercial	Construction Worker
1.6E+04	4.1E+05	8.2E+04
Non-Carcinogen S1	Non-Carcinogen S1	Non-Carcinogen S1

LPC No.:	0
Site Name:	0
Project Manager:	0
Date Run:	7/26/2019

Outdoor Inhalation R.O.'s - Organics (mg/kg) Infinite Source - Surface Soils (VF=S8/S9)		
Residential - Default	Industrial/Commercial - Default	Construction Worker - Default
Csat Applies	Csat Applies	2.7E+01
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Chemical/Physical Parameters		
Parameter	Value	Unit
S	1.10E+02	mg/L
D _i	7.35E-02	cm ² /s
D _w	9.23E-06	cm ² /s
H'	2.71E-01	unitless
K _{oc}	3.98E+02	L/kg

Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Surface Soils (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	Csat Applies
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Carcinogen Toxicity Parameters		
Parameter	Value	Unit
SF ₆ Residential	No Data	(mg/kg-d) ⁻¹
SF ₆ I/C and CW	No Data	(mg/kg-d) ⁻¹
URF Residential	No Data	(ug/mg ³) ⁻¹
URF I/C and CW	No Data	(ug/mg ³) ⁻¹

Tier 3 Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Surface Soils Using Correct T _{M-L} Values (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	1.2E+02
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Non-Carcinogen Toxicity Parameters		
Parameter	Value	Unit
RfD	2.0E-01	mg/(kg-d)
RfD _s	4.0E-01	mg/(kg-d)
RfC	1.0E-01	mg/m ³
RfC _s	4.0E-01	mg/m ³

Outdoor Inhalation R.O.'s - Organics (mg/kg) Infinite Source - Subsurface Soils (VF=S8/S9)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	7.0E+01
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Subsurface Soils (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	Csat Applies
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Tier 3 Outdoor Inhalation R.O.'s - Organics (mg/kg) Mass-Limit - Subsurface Soils Using Correct T _{M-L} Values (VF=S26/S27)		
Residential	Industrial/Commercial	Construction Worker
Csat Applies	Csat Applies	1.0E+02
Non-Carcinogen S4	Non-Carcinogen S4	Non-Carcinogen S5

Default Soil Saturation (C _{sat}) Limits (mg/kg)	
Outdoor Inhalation C _{sat}	Soil Component of GW Ingestion C _{sat}
2.8E+02	1.1E+02
Site-Specific Soil Saturation (C _{sat}) Limits S29 (mg/kg)	
Surface C _{sat}	Subsurface C _{sat}
2.8E+02	2.1E+02

Outdoor Inhalation R.O.'s - Fugitive Dusts (mg/kg)		
Residential	Industrial/Commercial	Construction Worker
1.4E+08	1.8E+08	7.0E+07
Non-Carcinogen S11	Non-Carcinogen S11	Non-Carcinogen S12

Appendix B, Table E Groundwater Objectives		
Class I GW _{obj}	Class II GW _{obj}	Unit
1.00E+01	1.00E+01	mg/L

Calculated Groundwater Objectives Using S23 or Non-Carcinogen Procedure in 620 Regulations		
Class I GW _{obj}	Class II GW _{obj}	Unit
Use MCL Value in App. B, Table E or Non-TACO Groundwater Objective	Use App. B, Table E or Non-TACO Groundwater Objective	mg/L

Soil Component of GW Ingestion R.O.'s for Surface Soils Using Appendix B, Table E Values (mg/kg)	
Class I - Infinite Source (S17) Surface Soils	Class II - Infinite Source (S17) Surface Soils
Csat Applies	Csat Applies
Class I - Mass-Limit (S28) Surface Soils	Class II - Mass-Limit (S28) Surface Soils
Csat Applies	Csat Applies

Soil Component of Groundwater Ingestion R.O.'s Using S23 or Non-Carcinogenic Procedure in 620 Regulations to develop GW _{obj} for Surface Soils (mg/kg)	
Class I Infinite source (S17) Surface Soils	Class II Infinite source (S17) Surface Soils
Not Applicable	Not Applicable
Class I Mass-Limit (S28) Surface Soils	Class II Mass-Limit (S28) Surface Soils
Not Applicable	Not Applicable

Soil Component of GW Ingestion R.O.'s for Subsurface Soils Using Appendix B, Table E Values (mg/kg)	
Class I - Infinite Source (S17) Subsurface Soils - Default	Class II - Infinite Source (S17) Subsurface Soils - Default
Csat Applies	Csat Applies
Class I - Mass-Limit (S28) Subsurface Soils	Class II - Mass-Limit (S28) Subsurface Soils
Csat Applies	Csat Applies

Soil Component of Groundwater Ingestion R.O.'s Using S23 or Non-Carcinogenic Procedure in 620 Regulations to develop GW _{obj} for Subsurface Soils (mg/kg)	
Class I - Infinite Source (S17) Subsurface Soils - Default	Class II - Infinite Source (S17) Subsurface Soils - Default
Not Applicable	Not Applicable
Class I - Mass-Limit (S28) Subsurface Soils	Class II - Mass-Limit (S28) Subsurface Soils
Not Applicable	Not Applicable

Chemical: Benzene
Groundwater Fate and Transport (Soil and GW Components)

CAS No. 71-43-2

$$C_{(x)} = C_{source} \cdot \exp\left[\left(\frac{X}{2\alpha_x}\right) \cdot \left(1 - \sqrt{1 + \frac{4\lambda \cdot \alpha_x}{U}}\right)\right] \cdot \operatorname{erf}\left[\frac{S_w}{4 \cdot \sqrt{\alpha_y \cdot X}}\right] \cdot \operatorname{erf}\left[\frac{S_d}{2 \cdot \sqrt{\alpha_z \cdot X}}\right]$$

Appendix B, Table E GW Ingestion RO (C(x), GWcomp)		
Class I	Class II	Unit
5.0E-03	2.5E-02	mg/L
Calculated Groundwater Objectives Using R25 or Non-Carcinogen Procedure in 620 Regulations		
Class I	Class II	Unit
Use MCL Value in App. B, Table E or Non-TACO Groundwater Objective	Use App. B, Table E or Non-TACO Groundwater Objective	mg/L

Input Site-Specific GW Fate and Transport Data in Green Boxes

Saturated Hydraulic Conductivity (K) (cm/s):	1.50E-04	1.30E+01	cm/day	4.73E+03	cm/yr
Hydraulic Gradient (I) (cm/cm):	0.05934				
Total Soil Porosity (θ _v) (R23)	0.43	Value Selected on Inputs Page - Subsurface			

Soil Component of GW Ingestion Fate and Transport Parameters:

Source Width of Soil Plume Perpendicular to GW Flow (S _w) (ft):	139	4236.72	cm
Vertical Thickness of Source within GW zone (dissolved) (S _d) (cm):	10	0.33	ft
Source Width of Soil Plume Parallel to Air Movement or GW Flow (W) (ft):	74	2255.52	cm
Subsurface Soil Source Concentration (mg/kg):	2.00E+01	Will leach into the GW and migrate the following distance (X) before meeting compliance with the Selected GW Ingestion RO (ft): 292.15	
Surface Soil Source Concentration (mg/kg):		Will leach into the GW and migrate the following distance (X) before meeting compliance the Selected GW Ingestion RO (ft):	

GW Component of GW Ingestion Fate and Transport Parameters:

Source Width of GW Plume Perpendicular to GW Flow (S _w) (ft):	139	4236.72	cm
Vertical Thickness of Source within GW Zone (dissolved) (S _d) (cm):	10	0.33	ft
Groundwater or TCLP Concentration (C _{source}) (mg/L):	1.19E-01	Will migrate the following distance (X) before meeting compliance with the applicable GW ingestion RO (ft): 33.19	

To determine the "X" distance required to meet the Applicable GW Ingestion RO in the below boxes:
 In the Toolbar: Go to "Data/What-If Analysis/Goal Seek"
 Set Cell = Click on the "C_(x)" Value Cell for scenario you are calculating.
 To Value = Enter the Applicable GW Ingestion RO you are seeking (Class I, Class II or 620 Procedures).
 By Changing Cell = Click on the "X" Value cell. Select OK.

GW Component Parameters

Parameter	Value	Unit
C _(x) GW _{comp}	0.0057663	mg/L
α _x (R16)	101.16	cm
λ	9.00E-04	d ⁻¹
U (R19)	1.7885	cm/day
S _w	4236.72	cm
α _y (R17)	33.72	cm
S _d	10	cm
α _z (R18)	5.06	cm
X	1011.64	cm

Subsurface Soil Component Parameters

Parameter	Value	Unit
C _(x) GW _{comp}	0.0053938	mg/L
α _x (R16)	890.46	cm
λ	9.00E-04	d ⁻¹
U (R19)	1.7885	cm/day
S _w	4236.72	cm
α _y (R17)	296.82	cm
S _d	10	cm
α _z (R18)	44.52	cm
X	8904.61	cm
LF _{sw} (R14) Subsurface Soils	1.3409	(mg/L _{water})/(mg/kg _{soil})

Surface Soil Component Parameters

Parameter	Value	Unit
C _(x) GW _{comp}	0.0000000	mg/L
α _x (R16)	3.05	cm
λ	9.00E-04	d ⁻¹
U (R19)	1.7885	cm/day
S _w	4236.72	cm
α _y (R17)	1.02	cm
S _d	10	cm
α _z (R18)	0.15	cm
X	30.48	cm
LF _{sw} (R14) Surface Soils	1.2339	(mg/L _{water})/(mg/kg _{soil})



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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

CERTIFIED MAIL

7017 2680 0001 0210 0700

AUG 06 2019

Aman Food & Gas
Attn: Balbir Kaur
5048 Country Court
Davenport, IA 52807

Re: 1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

AUG 28 2019

REVIEWER: EMI

Dear Mr. Kaul:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Corrective Action Plan (plan) submitted for the above-referenced incident. This plan, dated April 9, 2019, was received by the Illinois EPA on April 9, 2019. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The Illinois EPA requires modification of the plan; therefore, the plan is conditionally approved with the Illinois EPA's modifications. The following modifications are necessary, in addition to those provisions already outlined in the plan, to demonstrate compliance with Title XVI of the Act (Sections 57.7(b)(2) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a)):

1. The proposed construction worker caution shown in Drawing 0011, should be a rectangle with identifiable points, so that the boundaries of the proposed construction worker caution can be more easily identified.
2. The proposed engineered barrier shown in Drawing 0016 should be a rectangle with identifiable points, so that the boundaries of the proposed engineered barrier can be more easily identified.
3. The groundwater modelling area shown in Drawing 0012, should be increased to ninety degrees (90°) perpendicular to the direction of groundwater flow to more accurately identify those property owners that should be notified.

Plus, the owner or operator needs to discuss the potential impact to the private water supply well, ISGS well 00328, which is approximately 375 feet northwest of the site.

Page 2

4. One (1) additional vapor boring with soil gas sampling should be drilled in the area adjacent to monitoring well MW-6 which had the highest groundwater contamination.

Please note that all activities associated with the remediation of this release proposed in the plan must be executed in accordance with all applicable regulatory and statutory requirements, including compliance with the proper permits.

In addition, the budget is modified pursuant to Sections 57.7(b)(3) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(b). Based on the modifications listed in Section 2 of Attachment A, the amounts listed in Section 1 of Attachment A have been approved. Please note that the costs must be incurred in accordance with the approved plan. Be aware that the amount of payment from the Fund may be limited by Sections 57.7(c), 57.8(d), 57.8(e), and 57.8(g) of the Act, as well as 35 Ill. Adm. Code 734.630 and 734.655.

If the owner or operator agrees with the Illinois EPA's modifications, submittal of an amended plan and/or budget, if applicable, is not required (Section 57.7(c) of the Act).

NOTE: Pursuant to Section 57.8(a)(5) of the Act, if payment from the Fund will be sought for any additional costs that may be incurred as a result of the Illinois EPA's modifications, an amended budget must be submitted. Amended plans and/or budgets must be submitted and approved prior to the issuance of a No Further Remediation (NFR) Letter. Costs that have not been approved prior to the issuance of an NFR Letter will not be paid from the Fund.

Further, pursuant to 35 Ill. Adm. Code 734.145, it is required that the Illinois EPA be notified of field activities prior to the date the field activities take place. This notice must include a description of the field activities to be conducted; the name of the person conducting the activities; and the date, time, and place the activities will be conducted and shall be made to EPA.FieldNotifications@illinois.gov. This notification of field activities must be provided at least two weeks prior to the scheduled field activities.

Pursuant to Sections 57.7(b)(5) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.100 and 734.125, the Illinois EPA requires that a Corrective Action Completion Report that achieves compliance with applicable remediation objectives be submitted within 30 days after completion of the plan to:

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Page 3

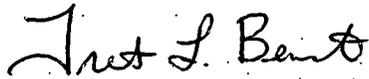
Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

If within four years after the approval of this plan, compliance with the applicable remediation objectives has not been achieved and a Corrective Action Completion Report has not been submitted, the Illinois EPA requires the submission of a status report pursuant to Section 57.7(b)(6) of the Act.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact Eric Kuhlman at (217) 785-5715.

Sincerely,



Trent L. Benanti, P.E.
Unit Manager
Leaking Underground Storage Tank Program
Remedial Project Management Section
Bureau of Land

Attachments: Attachment A
Appeal Rights

c: Carol Rowe, CWM Company, Inc. (electronic copy)
BOL File

Attachment A

Re: 1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

SECTION 1

Based on the modifications in Section 2, the following amounts are approved:

\$2,253.19	Drilling and Monitoring Well Costs
\$593.38	Analytical Costs
\$0.00	Remediation and Disposal Costs
\$0.00	UST Removal and Abandonment Costs
\$2,008.40	Paving, Demolition, and Well Abandonment Costs
\$23,155.48	Consulting Personnel Costs
\$850.00	Consultant's Materials Costs

The Illinois EPA will determine the handling charges when an application for payment is reviewed. The amount of allowable handling charges will be determined in accordance with Section 57.1(a) of the Environmental Protection Act (415 ILCS 5) (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 734.635.

SECTION 2

1. \$7,142.74 for costs that lack supporting documentation. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(cc).

Without supporting documentation, the Illinois EPA cannot determine if the costs are for corrective action activities and associated materials or services exceeding the minimum requirements necessary to comply with the Act. Costs for corrective action activities and associated materials or services exceeding the minimum requirements necessary to comply with the Act are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(o).

In addition, without supporting documentation, the Illinois EPA cannot determine if the costs are reasonable. Costs that are unreasonable are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

The amount deducted includes

- \$2,320.74 for a senior project manager for budget preparation.

- *\$2,062.88 for a senior project manager for groundwater ordinance verifications/property owner ID verifications.*
 - *\$1,289.30 for an engineer III for engineered barrier construction/verification.*
 - *\$1,005.66 for a senior professional engineer for reimbursement review and certification.*
 - *\$464.16 for a senior administrative assistant for reimbursement compilation/assembly/distribution.*
2. **\$1,815.36 for costs that are not based on the work performed. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.850(b).**

The Illinois EPA believes that reimbursement development/input parameters/budget coordination is a task befitting an account technician, and the Illinois EPA approved 30 hours for a senior account technician for reimbursement preparations.

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Clerk of the Board
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

CW³M Company

Environmental Consulting Services

701 W. South Grand Avenue
Springfield, IL 62704

Phone: (217) 522-8001
Fax: (217) 522-8009

July 20, 2021

Mr. Eric Kuhlman, Project Manager
LUST Section, Bureau of Land
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, IL 62794-9276

1610455194 – Rock Island County
Aman Food and Gas
Incident # 20140247
Leaking UST Technical File

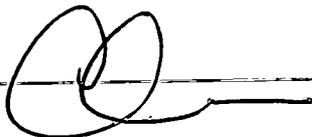
**RE: LPC # 1610455194 — Rock Island County
Aman Food and Gas
1830 5th Avenue, Moline, Illinois
Incident Number: 2014-0247
LUST Technical Reports—Corrective Action Budget Amendment**

Dear Mr. Kuhlman:

On behalf of Aman Food and Gas, owner of the property at the above-referenced site, we are submitting the attached Corrective Action Budget Amendment. In an email dated June 29, 2021, it was agreed upon that a budget amendment would be submitted for costs related to the placement of an engineered barrier. While it has since been determined that additional square footage of concrete is not needed in the amendment, the personnel costs associated with the engineered barrier are still being requested. Please refer to the attached budget for a description of these titles.

Thank you again for working with us in verifying the validity of the engineered barrier. If you have any questions or require additional information, please contact Mr. Matthew Saladino or me at (217) 522-8001.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Enclosure

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

IEPA-DIVISION OF RESTORATION AND
RELEASE

MAR 02 2022

REVIEWER: SAB

RECEIVED

JUL 22 2021

IEPA/BOL

1610455194 – Rock Island County
Aman Food and Gas
Incident # 20140247
Leaking UST Technical File

APPENDIX A

**CORRECTIVE ACTION BUDGET
AMENDMENT**

**AMAN FOOD AND GAS
MOLINE, ILLINOIS**



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

General Information for the Budget and Billing Forms

LPC #: 1610455194 County: Rock Island

City: Moline Site Name: Aman Food & Gas

Site Address: 1830 5th Avenue

IEMA Incident No.: 2014-0247

IEMA Notification Date: Mar 3, 2014

Date this form was prepared: Jul 20, 2021

This form is being submitted as a (check one, if applicable):

- Budget Proposal
- Budget Amendment (Budget amendments must include only the costs over the previous budget.)
- Billing Package

RECEIVED

Please provide the name(s) and date(s) of report(s) documenting the costs requested: JUL 22 2021

Name(s): CAP

Date(s): Jul 20, 2021

IEPA/BOL

This package is being submitted for the site activities indicated below:

35 Ill. Adm. Code 734:

- Early Action
- Free Product Removal after Early Action
- Site Investigation Stage 1: Stage 2: Stage 3:
- Corrective Action Actual Costs

~~35 Ill. Adm. Code 732:~~

- Early Action
- Free Product Removal after Early Action
- Site Classification
- Low Priority Corrective Action
- High Priority Corrective Action

35 Ill. Adm. Code 731:

- Site Investigation
- Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

Pay to the order of: Jeet Singh

Send in care of: CWM Company, Inc.

Address: P.O. Box 571

City: Carlinville

State: IL

Zip: 62626

The payee is the: Owner Operator (Check one or both.)



Signature of the owner or operator of the UST(s) (required)

W-9 must be submitted.
[Click here to print off a W-9 Form.](#)

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary, or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Number of USTs at the site: 5 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 2

Incident Numbers assigned to the site due to releases from USTs: 2003-0936 2014-0247

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	5,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	3,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Gasoline	6,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Add More Rows

Undo Last Add

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 2014-0247. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal fees or costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

RECEIVED
JUL 22 2021
IEPA/BOL

Owner/Operator: Aman Food & Gas

Authorized Representative: Balbir Kaur Title: Owner

Signature: BALBIR KAUR Date: 7/9/21

Subscribed and sworn to before me the 09th day of July, 2021
[Signature]
(Notary Public)

OFFICIAL SEAL
CAROL L. ROWE
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 03-18-2025

In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

L.P.E./L.P.G.: Vince E Smith L.P.E./L.P.G. Seal: [Seal]

L.P.E./L.P.G. Signature: [Signature] Date: 7/20/21

Subscribed and sworn to before me the 20th day of July, 2021
[Signature]
(Notary Public)

VINCE E. SMITH
46118
REGISTERED
PROFESSIONAL
ENGINEER
ILLINOIS

OFFICIAL SEAL
CAROL L. ROWE
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 03-18-2025

The Illinois EPA is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

Budget Summary

Choose the applicable regulation: 734 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
					Proposed
Drilling and Monitoring Well Costs Form	\$	\$	\$	\$	\$
Analytical Costs Form	\$	\$	\$	\$	\$
Remediation and Disposal Costs Form	\$	\$	\$	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$
Consulting Personnel Costs Form	\$	\$	\$	\$	\$ 2,811.22
Consultant's Materials Costs Form	\$	\$	\$	\$	\$ 205.35
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	\$	\$	\$	\$	\$ 3,016.57

Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	8.00	135.48	\$1,083.84
CCA-Field	Engineered Barrier Construction Map / Plan / Arrangements / Correspondence / Documentation			
	Engineer III	8.00	135.48	\$1,083.84
CCA-Field	Engineered Barrier Construction / Verification			
	Engineer III	3.00	135.48	\$406.44
CCAP-Budget	Budget Amendment Design and Development, IEPA/Client Correspondence			
	Senior Prof. Engineer	1.00	176.13	\$176.13
CCAP-Budget	Budget Amendment Review and Certification			
	Senior Admin. Assistant	1.00	60.97	\$60.97
CCAP-Budget	Budget Amendment Compilation and Distribution			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$2,811.22
--	-------------------

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate (\$)	Unit	Total Cost
---	---------------------	-----------	------	------------

Remediation Category	Description/Justification
----------------------	---------------------------

Mileage	335.00	.57	/mile	\$190.95
---------	--------	-----	-------	----------

ELUC	1 Round Trip for Engineered Barrier Layout, Verification, Oversight			
------	---	--	--	--

Postage	2.00	7.20	/each	\$14.40
---------	------	------	-------	---------

CCAP-Budget	Budget Amendment Forms and Distribution			
-------------	---	--	--	--

Total of Consultant Materials Costs	\$205.35
--	-----------------



Electronic Filing: Received, Clerk's Office 04/05/2023
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

CERTIFIED MAIL

7020 1810 0001 8769 4237

NOV 17 2021

Aman Food & Gas
Attn: Balbir Kaur
5048 Country Court
Davenport, IA 52807

Re: 1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

Dear Mr. Kaur:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Corrective Action Budget Amendment (budget) submitted for the above-referenced incident. This budget, dated July 20, 2021, was received by the Illinois EPA on July 22, 2021. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The budget is modified pursuant to Sections 57.7(b)(3) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(b). Based on the modifications listed in Section 2 of Attachment A, the amounts listed in Section 1 of Attachment A are approved. Please note that the costs must be incurred in accordance with the approved plan. Be aware that the amount of payment from the Fund may be limited by Sections 57.7(c), 57.8(d), 57.8(e) and 57.8(g) of the Act, as well as 35 Ill. Adm. Code 734.630 and 734.655.

All future correspondence must be submitted to:

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

JAN 12 2022
REVIEWER: SAB

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

Page 2

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact the undersigned at (217) 785-5715 or at eric.kuhlman@illinois.gov.

Sincerely,



Eric Kuhlman
Project Manager
Leaking Underground Storage Tank Section
Bureau of Land

TB: **TB**

Attachments: A
Appeal Rights

c: Matthew Saladino, CWM Company, Inc. (electronic copy)
BOL File

Attachment A

Re: 1610455194 – Rock Island County
Moline / Aman Food & Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

SECTION 1

As a result of Illinois EPA's modification(s) in Section 2 of this Attachment A, the following amounts are approved:

\$0.00	Drilling and Monitoring Well Costs
\$0.00	Analytical Costs
\$0.00	Remediation and Disposal Costs
\$0.00	UST Removal and Abandonment Costs
\$0.00	Paving, Demolition, and Well Abandonment Costs
\$2,811.22	Consulting Personnel Costs
\$201.44	Consultant's Materials Costs

Handling charges will be determined at the time a billing package is reviewed by the Illinois EPA. The amount of allowable handling charges will be determined in accordance with Section 57.1(a) of the Environmental Protection Act (415 ILCS 5) (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 734.635.

SECTION 2

1. \$3.91 for costs for vehicle charges that lack supporting documentation. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(cc). Since there is no supporting documentation of costs, the Illinois EPA cannot determine that costs will not be used for activities in excess of those necessary to meet the minimum requirements of the Act. Therefore, such costs are not approved pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(o).

Pursuant to 35 Ill. Adm. Code 734.850(b), costs associated with activities that do not have a maximum payment amount set forth in Subpart H of 35 Ill. Adm. Code 734 must be determined on a site-specific basis, and the owner or operator must demonstrate to the Illinois EPA the amounts sought for reimbursement are reasonable.

In addition, without supporting documentation, the rate requested for vehicle costs is unreasonable as submitted. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd).

The Illinois EPA will reimburse for mileage at a rate of \$0.56 when sufficient documentation has not been submitted for vehicle costs. Based on the round-trip mileage from the consultant's office to the site location of 334 miles per trip and a total of 1 trip, a proposed allowable reimbursement amount is \$187.04. Based on this, \$3.91 is being deducted from the consultant's materials costs portion of the budget.

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Clerk of the Board
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
(312) 814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
(217) 782-5544

CW³M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

August 2, 2021

1610455194 – Rock Island County
Aman Food and Gas
Incident # 20140247
Leaking UST Technical File

Mr. Eric Kuhlman, Project Manager
Illinois Environmental Protection Agency
LUST Section, Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

**RE: LPC # 1610455194 — Rock Island County
Aman Food and Gas
1830 5th Avenue, Moline, Illinois
Incident Number: 2014-0247
LUST Technical File----Corrective Action Completion Report**

Dear Mr. Kuhlman:

Enclosed, please find the Corrective Action Completion Report for Aman Food and Gas; LUST Incident Number 2014-0247. The Corrective Action activities previously approved have been completed.

An original copy of certified Groundwater Ordinance No. 3022-2010, passed by the City of Moline on April 27, 2010, as well as a sealed clerk certification, was sent to the Agency via certified mail on June 30, 2021. This ordinance is being implemented as an institutional control for Incident Number 2014-0247.

If you have any questions or require additional information, please do not hesitate to contact Mr. Matthew Saladino or me at (217) 522-8001.

Sincerely



Carol L. Rowe, P.G.
Senior Environmental Geologist

EPA-DIVISION OF RECORDS MANAGEMENT
RELEASE

JAN 27 2022

REVIEWER: SAB

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company Inc.*

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1610455194 – Rock Island County
Aman Food and Gas
Incident # 20140247
Leaking UST Technical File

**CORRECTIVE ACTION
COMPLETION REPORT**

AMAN FOOD AND GAS

MOLINE, ILLINOIS

**LPC #1610455194 — Rock Island County
Incident Number 2014-0247**

Submitted to:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Leaking Underground Storage Tank Section, Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Prepared by:

CW³M COMPANY, INC.

701 W. South Grand Ave.
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**IEPA-DIVISION OF RECORDS MANAGEMENT
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AUGUST 2021

JAN 27 2022

REVIEWER: SAB
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CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

CONTENTS

APPENDICES	i
TABLES	ii
ACRONYMS AND ABBREVIATIONS	ii
1. INTRODUCTION	1
2. SITE LOCATION.....	2
3. BACKGROUND	2
3.1 Site History	2
3.2 UST Information.....	2
3.3 Site Investigation Summary.....	3
3.4 Corrective Action Summary	4
3.5 Determination of Clean-up Objectives	5
4. CORRECTIVE ACTION ACTIVITIES	7
4.1 On-site and Off-site Contamination.....	8
4.2 Water Supply Well Survey	8
4.3 Exposure Pathways Addressed	9
5. REQUEST FOR NO FURTHER REMEDIATION	10
6. REFERENCES	11

APPENDICES

APPENDIX A	Corrective Action Completion Form and Certifications
APPENDIX B	Site Maps and Illustrations
APPENDIX C	Boring Logs and Well Completion Reports
APPENDIX D	Analytical Data
APPENDIX E	TACO Calculations
APPENDIX F	OSFM Eligibility Determination
APPENDIX G	Groundwater Ordinance Documentation
APPENDIX H	Off-site Access Affidavit

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

TABLES

Table 3-1. Underground Storage Tank Summary.....	3
Table 3-2. TACO Tier 2 Soil Remediation Objectives	6
Table 3-3. TACO Groundwater Remediation Objectives	6
Table 4-1. Water Supply Well Information.....	9

ACRONYMS AND ABBREVIATIONS

CACR	Corrective Action Completion Report
CAP	Corrective Action Plan
CUO	Clean-Up Objective
CW ³ M	CW ³ M Company, Inc.
IEMA	Illinois Emergency Management Agency
IEPA	Illinois Environmental Protection Agency
ISGS	Illinois State Geological Survey
ISWS	Illinois State Water Survey
Ill. Adm. Code	Illinois Administrative Code
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
OSFM	Illinois Office of the State Fire Marshal
PVC	Polyvinyl Chloride
SICR	Site Investigation Completion Report
SIP	Site Investigation Plan
SWAP	Source Water Assessment Program
TACO	Tiered Approach to Corrective Action Objectives
UST	Underground Storage Tank

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

1. INTRODUCTION

This Corrective Action Completion Report (CACR) has been prepared in accordance with the requirements of the 35 Illinois Administrative Code (Ill. Adm. Code) § 734. The Illinois Environmental Protection Agency (IEPA) CACR Form is included in this document as Appendix A. IEPA-provided, computer-generated forms have been used.

Mr. Jeet Singh, representing the owner of the underground storage tanks (USTs) at the Aman Food & Gas site in Moline, Illinois reported a release to the Illinois Emergency Management Agency (IEMA). Incident Number 2014-0247 was assigned to the notification on March 3, 2014. Mr. Singh and Ms. Balbir Kaur then requested CW³M Company, Inc. (CW³M) to proceed with the reporting and early action requirements in accordance with 35 Ill. Adm. Code § 734.

The 20-Day Certification was submitted to the IEPA on March 7, 2014 (CW³M, 2014). In order to allow for the installation of new tanks which were going to be installed following UST removal, an extension of the 45-Day Reporting period was requested on April 17, 2014 (CW³M, 2014a), and approved by the IEPA on April 28, 2014 (IEPA, 2014). The 45-Day Report was submitted on May 2, 2014 (CW³M, 2014b) and approved on August 29, 2014 (IEPA, 2014a), with a 45-Day Report Addendum being submitted on June 2, 2014 (CW³M, 2014c). A Stage 2 Site Investigation Plan (SIP) and Budget was submitted to the Agency on July 23, 2015 (CW³M, 2015) and was approved with modifications on November 5, 2015 (IEPA, 2015). The Stage 3 SIP and Budget was submitted to the Agency on July 29, 2016 (CW³M, 2016) and was approved with modifications on January 26, 2017 (IEPA, 2017). The Site Investigation Completion Report (SICR) was submitted on November 13, 2018 (CW³M, 2018) and approved on March 13, 2019 (IEPA, 2019a). A Corrective Action Plan (CAP) and Budget was submitted to the IEPA on April 9, 2019 (CW³M, 2019) and approved with modifications on August 6, 2019 (IEPA, 2019b). This CACR is being submitted in accordance with 35 Ill. Adm. Code § 734 and describes the activities completed in order to achieve remediation of this site. The remedial activities were completed in accordance with the approved CAP.

Completion of remedial activities is certified by an Illinois Licensed Professional Engineer. The geological investigation was performed under the direction of an Illinois Licensed Professional Geologist and completed in accordance with the Professional Geologist Licensing Act and its Rules for Administration.

*CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 --Incident Number 2014-0247*

2. SITE LOCATION

The site, known as Aman Food & Gas, is located at 1830 5th Avenue, Moline, Rock Island County, Illinois 61265. The site is located in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 32, Township 18 North of the Centralia Baseline and Range 1 West of the Fourth Principal Meridian.

3. BACKGROUND

3.1 SITE HISTORY

The site lies near the river front of the City of Moline at the intersection of 5th Avenue and 19th Street. The site is surrounded by light commercial properties and a large apartment complex. The Aman Food & Gas site is currently operating as a convenience store that sells fuel.

3.2 UST INFORMATION

On March 3, 2014, CW³M personnel were on-site to obtain a release confirmation/waste characterization sample for potential disposal of contaminated backfill materials. CW³M personnel returned to the site on April 30, 2014 to uncover the tanks and prepare them for removal. Office of the Illinois State Fire Marshall (OSFM) Tank Specialist Jeffery Hindman and CW³M personnel were at the site to supervise the removal of the USTs on May 1, 2014. The tanks were ventilated and removed along with the product piping. Approximately 771.04 tons (514.03 cubic yards) of contaminated backfill was removed from the former tank pit and properly disposed of at the Upper Rock Island Landfill facility in Rock Island, Illinois. A narrative of the tank removals and other early action activities was provided in the 45-Day Report Addendum (CW³M, 2014c).

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

Table 3-1. Underground Storage Tank Summary

Tank Number	Tank Volume (gallons)	Tank Contents	Incident Number	Release Information	Status
1	5,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
2	3,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
3	4,000	Gasoline	2014-0247	Overfills, Piping	Removed 5/1/2014
4	4,000	Gasoline	-	-	In Use: Installed 5/13/2014
5	6,000	Gasoline	-	-	In Use: Installed 5/13/2014

3.3 SITE INVESTIGATION SUMMARY

Tables comparing the site investigation analytical results to the most stringent Tier 1 Remediation Objectives are included with the analytical results in Appendix D. The soil plume was considered defined at the conclusion of the Stage 2 investigation. The plume is confined to the vicinity of the former tank field and remains on site. Drawing 0009 in Appendix B depicts the limits of the soil contamination plume.

The groundwater plume was considered defined at the conclusion of the Stage 3 investigation due to denial of access to off-site properties to the west and north, while the north property was later drilled as described below and more in depth in Section 4. The plume spans across the subject property into the right-of-way of 5th Avenue as well as onto the property immediately west of the site, but the full extent of contamination in either direction is unknown.

While it was determined during the Stage 3 investigation that access to the property directly north of the site was considered denied due to length of time without receiving any correspondence from the off-site property owner, it was later agreed upon after the Stage 3 SIP and Budget had already been submitted; access license agreements were ultimately signed for at this time. Therefore, the drilling of the one proposed monitoring well on this off-site property to the north was conducted during the corrective action stage in conjunction with collecting a soil-gas vapor sample on the subject property. During the installation of this monitoring well, however, bedrock was encountered within ten feet of the ground surface. A temporary monitoring well was put in place, but no

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

groundwater accumulated within the screen. Therefore, the off-site investigation ended without obtaining a groundwater sample from this monitoring well. The groundwater plume was considered defined. Drawing 0010 in Appendix B depicts the limits of the groundwater contamination plume.

An off-site access affidavit is included herein as Appendix H for the property immediately west of the subject site.

3.4 CORRECTIVE ACTION SUMMARY

A CAP was submitted to the IEPA on April 9, 2019 (CW³M, 2019) and approved on August 6, 2019 (IEPA, 2019b).

Upon the determination of the Tiered Approach to Corrective Action Objectives (TACO) Tier 2 Clean-up Objectives (CUOs), it was apparent that with the acceptance of Tier 2 Industrial-Commercial CUOs for the site, the only soil contamination still exceeding Tier 2 CUOs were for the following:

- Tier 2 Industrial-Commercial Inhalation CUO at early action sample 8 for in the indicator contaminant benzene
- Tier 2 Construction Worker Inhalation CUO at early action sample 8 for the indicator contaminant benzene
- Tier 2 Construction Worker Inhalation CUO at early action samples 2, 4, and 8 for the indicator contaminant total xylenes

Multiple samples also exceeded Tier 2 CUOs for the migration to groundwater category. With reliance on already existing groundwater ordinances, soil contamination for all samples excluding those listed above is considered remediated through the implementation of a TACO Tier 2 Industrial-Commercial land use limitation for the property. Please refer to Section 4 for a full description of the groundwater ordinances being relied upon as an institutional control.

Samples 2, 4, and 8 have been addressed through the implementation of a construction worker inhalation caution area for their immediate surroundings, as dictated in Drawing 0012A included in Appendix B. Additionally, sample 8 has also been addressed through the implementation of an engineered barrier for its immediate surroundings, as depicted on Drawing 0012B. The limits of the construction worker inhalation caution area and engineered barrier were modified post-CAP as requested by the IEPA Project Manager in the approval letter dated August 6, 2019, to reflect more easily identifiable areas for each.

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

A map of the soil to groundwater modeling in accordance with 35 Ill. Adm. Code § 742 is included in Appendix B as Drawing 0011, showing that the maximum modeling distance as being 381 feet to the west-southwest with the potential to reach multiple properties off-site, calculated from the TACO calculations included in Appendix E. The reliance on the existing ordinances includes the Aman Food and Gas site as well as the off-site properties which could potentially be affected from the release. The extents of the potentially affected properties are included in Appendix B as Drawing 0013. The soil to groundwater modeling radius has been modified post-CAP as requested by the IEPA Project Manager in the approval letter dated August 6, 2019, increasing the cone of potential contamination to 90 degrees parallel to the direction of groundwater flow.

A soil-gas vapor intrusion assessment was performed on-site on September 3, 2019, which yielded results below Tier 1 CUOs. With the acceptance of a concrete base with no sumps restriction for the property, no further vapor intrusion assessment is required for Incident Number 2014-0247.

3.5 DETERMINATION OF CLEAN-UP OBJECTIVES

In accordance with 35 Ill. Adm. Code 734.410, remediation objectives were determined in accordance with 35 Ill. Adm. Code § 742. One of the clean soil boring locations (MW-1) was sampled for TACO parameters. The site-specific physical parameters have been determined as follows:

Hydraulic Conductivity (K), 1.50×10^{-4} cm/sec
Soil bulk density (r_b), 1.807 g/cm³
Soil particle density (r_s), 2.637 g/cm³
Moisture content (w), 0.18
Organic carbon content (f_{oc}), 0.45%

In order to determine the hydraulic conductivity, a slug test was performed during Stage 2 site investigation activities. The test was performed by lowering a “slug” constructed of polyvinyl chloride (PVC) into a previously deemed clean monitoring well, MW-1. When the slug is lowered into the well, the groundwater is displaced by the volume of the slug. As the water within the well equilibrates, water depth changes are recorded in relation to the time interval that has passed since the test was initiated.

The hydraulic conductivity calculations are based on the total well depth, screen length and radius, initial water depth, and the water depth change over time. The depth-to-water changes over time were plotted on a semi-logarithmic graph and the curve was evaluated. The slope of the straight-line portion of the curve, along with the other slug test data, was used to calculate the hydraulic conductivity.

CW³M Company, Inc.
 Corrective Action Completion Report
 Aman Food and Gas
 LPC #1610455194 – Incident Number 2014-0247

Velocity is calculated using the hydraulic conductivity results determined at the site, as well as the hydraulic gradient. The hydraulic gradient is found by calculating the change in gradient between the most up-gradient well and the most down-gradient well, then dividing this answer by the distance in feet between the two wells. Formula R24, ($U_{gw} = K \cdot i$) of 35 Ill. Adm. Code § 742 Appendix C, Table C.

Table 3-2. Soil Remediation Objectives

Parameter	TACO Residential Tier 1 Clean-up Objective (mg/kg)	TACO Industrial-Commercial Tier 2 Clean-up Objectives (w/ GW pathway removed) (mg/kg)
Benzene	0.03	4.12
Ethylbenzene	13.0	58.0
Toluene	12.0	445.06
Total Xylenes	5.6	69.95
MTBE	0.32	359.96

Table 3-3. Groundwater Remediation Objectives

Parameter	TACO Residential Tier 1 Clean-up Objective (mg/L)
Benzene	0.005
Ethylbenzene	0.7
Toluene	1.0
Total Xylenes	10.0
MTBE	0.07

*CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247*

4. CORRECTIVE ACTION ACTIVITIES

CW³M personnel were on-site on September 3, 2019 to conduct IEPA-approved corrective action drilling and sampling activities. One sample, SV-1 was drilled adjacent to early action sample 8 to a depth of four feet in order to investigate the soil to gas vapor pathway; the sample yielded results below the most stringent Tier 1 CUOs. Laboratory analytical results and a table summarizing the results are included in Appendix D. One temporary monitoring well, MW-8, was also drilled and installed on the property to the north of the Aman Food and Gas site across 5th Avenue, owned by MIMG LXX LeClaire, LLC.

While drilling MW-8, bedrock was encountered at a depth of about 8-9 feet. Therefore, this location was abandoned and an additional boring was advanced further north of the initial MW-8 to determine if a greater depth could be reached; however, once again bedrock was encountered at the same depth of 8-9 feet. Therefore, the initial drilling location was reverted to with the installation of a temporary monitoring well and screen. After waiting approximately 60 minutes, a bailer was inserted into the well to determine whether or not any amount of groundwater had accumulated. No water was found within MW-8, so it was removed from the ground and examined; no indication of a presence of groundwater of any amount was observed. Therefore, MW-8 was removed and the borehole was sealed and paved over to return it to the original pavement condition.

Because it had already been determined that existing groundwater ordinances for the City of Moline would be relied upon to address the groundwater contamination from Incident Number 2014-0247, no harm from the lack of obtaining a sample from MW-8 was determined. Maps depicting these sample locations is included in Appendix B. Soil boring logs and maps depicting SV-1 and MW-8 are included in Appendices C and B, respectively.

As mentioned, the City of Moline has two existing city-wide groundwater ordinances in place that encompass the Aman Food and Gas site, as well as all properties that have been determined to potentially be affected from the release as they are all well within city limits. General Ordinance Number 98-10-2 was passed on October 20, 1998, while General Ordinance 3022-2010 was passed on April 20, 2010. Both ordinances have been approved by the IEPA for use as an environmental institutional control. Both of these ordinances are being relied upon to address any and all groundwater contamination and, as well as to address any and all of contamination indicated by the soil-to-groundwater pathway modeling distances for Incident Number 2014-0247. A certified copy of both ordinances was submitted to the Agency in a certified letter dated July 1, 2021. Copies of each of the notification letters sent to all of the potentially affected properties have been included in Appendix G. Additionally, a list of all potentially affected properties and a map corresponding these properties is included in Appendix G.

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

Samples 2, 4, and 8 have been addressed through the use of a construction worker inhalation caution area for their immediate surroundings, as dictated in Drawing 0012A included in Appendix B. Additionally, sample 8 has also been addressed through the use of an engineered barrier for its immediate surroundings as depicted on Drawing 0012B. The limits of the construction worker inhalation caution area and engineered barrier have been modified post-CAP as requested by the IEPA Project Manager in the approval letter dated August 6, 2019, to reflect more easily identifiable areas for each.

TACO Industrial-Commercial Tier 2 CUOs are being mandated for the property to address the remaining soil contamination on site.

4.1 ON-SITE AND OFF-SITE CONTAMINATION

Tables comparing the site investigation analytical results to the most stringent Tier 1 Remediation Objectives are included with the analytical results in Appendix D. The soil plume was considered defined at the conclusion of the Stage 2 investigation. The plume is confined to the vicinity of the former tank field and remains on site. Drawing 0009 in Appendix B depicts the limits of the soil contamination plume.

The groundwater plume was considered defined at the conclusion of the Stage 3 investigation due to denial of access to off-site properties to the west and north, while the north property was later drilled as described in Section 4. The plume spans across the subject property into the right-of-way of 5th Avenue as well as onto the property immediately west of the site, but the full extent of contamination in either direction is unknown. Drawing 0010 in Appendix B depicts the limits of the groundwater contamination plume.

4.2 WATER SUPPLY WELL SURVEY

A survey of water supply wells for the purpose of identifying and locating all community water supply wells within 2,500 feet of the UST systems and all potable water supply wells within 200 feet of the UST systems is has been conducted. The Illinois State Water Survey (ISWS), the Illinois State Geological Survey (ISGS) and the IEPA Division of Public Water Supplies were contacted via the Source Water Assessment Program (SWAP) online.

The ISGS, ISWS, and IEPA Division of Public Water Supplies were accessed online on September 24, 2019 (EPA.STATE.IL.US, 2019). The response indicated that ten ISGS wells are located within 2,500 feet of the site. The response stated that there are multiple groundwater ordinances for the City of Moline which encompass the Aman Food and Gas site (Ordinance Numbers 98-10-2 and 3022-2010).

CW³M Company, Inc.
 Corrective Action Completion Report
 Aman Food and Gas
 LPC #1610455194 – Incident Number 2014-0247

Table 4-1. Water Supply Well Information

Well ID	Type	Distance from USTs (feet)	Setback Zone (feet)
00672	ISGS	2,429	200
00865	ISGS	1,056	200
23575	ISGS	1,848	200
23569	ISGS	2,059	200
23570	ISGS	2,059	200
23571	ISGS	2,059	200
23572	ISGS	2,429	200
23573	ISGS	2,429	200
23574	ISGS	2,429	200
00328	ISGS	447	200

In the IEPA approval letter dated August 6, 2019, it was requested that ISGS well 00328 be researched to determine its status due to its close proximity (447 feet to the north-northwest) to the Aman Food and Gas site. After research, it was determined that this water well was installed to a depth of 150 feet on June 1, 1940 by Teeple C.F. for use by the YMCA. The YMCA no longer exists at this location and has not for quite some time. The parcel on which the well was installed is currently a parking lot owned by John Deere. After corresponding with the tax department of John Deere, it was determined that the existence of ISGS well 00328 could no longer be confirmed. It has therefore been determined that this well has since been abandoned/paved over, is no longer in use, and remains unaffected by Incident Number 2014-0247.

4.3 EXPOSURE PATHWAYS ADDRESSED

The imposition of Tier 2 Industrial-Commercial CUOs on-site, a construction worker inhalation caution area, an engineered barrier, and reliance on groundwater ordinances address any and all contamination found to date for the incident.

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

5. REQUEST FOR NO FURTHER REMEDIATION

No Further Remediation is requested for this incident for the following reasons:

- Multiple groundwater ordinances are already in place for the City of Moline (Ordinance Numbers 98-10-2 and 3022-2010) which encompass the potentially affected area caused by the Aman Food and Gas release. These ordinances have both been previously approved for use as environmental institutional controls by the IEPA.
- A construction worker inhalation caution area has been implemented for early action samples 2, 4, and 8 to account for any and all contamination present on site exceeding Tier 2 construction worker inhalation CUOs, as depicted on Drawing 0012A of Appendix B.
- An engineered barrier has been implemented for early action sample 8 to account for any and all contamination present on site exceeding Tier 2 industrial-commercial inhalation CUOs, as depicted on Drawing 0012B of Appendix B.
- Furthermore, with the acceptance of TACO Tier 2 Industrial-Commercial CUOs, no additional soil remediation is necessary.
- A soil-gas vapor sample was taken on September 3, 2019, which yielded results below the most stringent Tier 1 CUOs. A concrete base with no sumps restriction will be maintained on site presently and in the future.
- Modeling in accordance with 35 Ill. Adm. Code 742 was performed on both soil and groundwater samples exceeding Tier 1 CUOs to determine the extent of potential soil-to-groundwater and groundwater contamination. The potential maximum contamination is accounted for through the above-mentioned existing groundwater ordinances. Therefore, no additional restrictions are needed.
- A public water supply is available for consumption, and the facility is not within the setback for a known potable well.
- An Illinois Licensed Professional Engineer has determined that the site is in compliance with 35 Ill. Adm. Code § 734.

In conclusion, on behalf of Aman Food and Gas, CW³M Company, Inc., requests the IEPA approval of this CACR and issuance of a No Further Remediation Letter.

*CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247*

6. REFERENCES

CW³M, 2014. CW³M Company, Inc. 20-Day Certification. Aman Food & Gas, Moline, Illinois, March 7, 2014.

CW³M, 2014. CW³M Company, Inc. Request for Extension of Early Action Period. Aman Food & Gas, Moline, Illinois, April 17, 2014.

CW³M, 2014b. CW³M Company, Inc. 45-Day Report. Aman Food & Gas, Moline, Illinois, May 2, 2014.

CW³M, 2014c. CW³M Company, Inc. 45-Day Report Addendum. Aman Food & Gas, Moline, Illinois, June 2, 2014.

CW³M, 2015. CW³M Company, Inc. Stage 2 Site Investigation Plan and Budget. Aman Food & Gas, Moline, Illinois, July 23, 2015.

CW³M, 2016. CW³M Company, Inc., *Stage 3 Site Investigation Plan and Budget*, Aman Food & Gas, Moline, Illinois, July 29, 2016.

CW³M, 2018. CW³M Company, Inc. *Site Investigation Completion Report*, Aman Food & Gas, Moline, Illinois. November 13, 2018.

CW³M, 2019. CW³M Company, Inc. *Corrective Action Plan and Budget*, Aman Food & Gas, Moline, Illinois. April 9, 2019.

EPA.STATE.IL.US, 2019. Source Water Assessment Program, Water Well Survey Map www.maps.epa.state.il.us, accessed September 24, 2019.

IEPA, 2014. Illinois Environmental Protection Agency, Early Action Correspondence, Aman Food & Gas, Moline, Illinois, April 28, 2014.

IEPA, 2014a. Illinois Environmental Protection Agency, 45-Day Report Correspondence, Aman Food & Gas, Moline, Illinois, August 29, 2014.

IEPA, 2015. Illinois Environmental Protection Agency, Stage 2 Site Investigation Plan and Budget Correspondence, Aman Food & Gas, Moline, Illinois, November 5, 2015.

IEPA, 2017. Illinois Environmental Protection Agency, *Stage 3 Site Investigation Plan and Budget Correspondence*, Aman Food & Gas, Moline, Illinois, January 26, 2017.

IEPA, 2019a. Illinois Environmental Protection Agency, *Site Investigation Completion Report Correspondence*, Aman Food & Gas, Moline, Illinois, March 13, 2019.

IEPA, 2019b. Illinois Environmental Protection Agency, *Corrective Action Plan and Budget Correspondence*, Aman Food & Gas, Moline, Illinois, August 6, 2019.

APPENDIX A

CORRECTIVE ACTION COMPLETION FORM AND CERTIFICATIONS

CORRECTIVE ACTION COMPLETION REPORT

AMAN FOOD AND GAS MOLINE, ILLINOIS



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 – 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Corrective Action Completion Report

A. Site Identification

IEMA Incident # (6- or 8-digit): 20140247

IEPA LPC# (10-digit): 1610455194

Site Name: Aman Food and Gas

Site Address (Not a P.O. Box): 1830 5th Avenue

City: Moline

County: Rock Island

ZIP Code: 61265

B. Site Information

1. Has a Corrective Action Plan been approved? Yes No

Date of approval letter: Aug 6, 2019

2. This completion report is being submitted pursuant to:

- a. 35 Ill. Adm. Code 731.166
- b. 35 Ill. Adm. Code 732.300(b)
- c. 35 Ill. Adm. Code 732.404
- d. 35 Ill. Adm. Code 734.345

3. Method of remediation chosen:

- a. Soil TACO Tier 2 I-C CUOs, Engineered Barrier, I-C Inhalation Caution
- b. Groundwater Groundwater Ordinances

4. Quantity of contaminated media remediated and/or recovered:

- a. Soil 514.03 yds.³
- b. Groundwater 0 gals.
- c. Free Product 0 gals.

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C. Remedial (Corrective) Action

1. An executive summary that identifies the overall objectives of the corrective action and the technical approach utilized to meet those objectives. The summary shall contain the following information:
 - a. A brief description of the site, including but not limited to a description of the release, the applicable indicator contaminants, the contaminated media, and the extents of soil and groundwater contamination that exceeded the most stringent Tier 1 remediation objectives;
 - b. The major components (e.g., treatment, containment, removal) of the corrective action;
 - c. The scope of the problems corrected or mitigated by the corrective action; and
 - d. The anticipated post-corrective action uses of the site and areas immediately adjacent to the site;

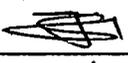
2. A description of the corrective action activities conducted including:
 - a. A narrative description of the field activities conducted as part of corrective action;
 - b. A narrative description of the remedial actions implemented at the site and the performance of each remedial technology utilized;
 - c. Documentation of sampling activities:
 - i. Sample collection information;
 - ii. Sample preservation and shipment information;
 - iii. Analytical procedure information;
 - iv. Analytical results, chain of custody and control, and laboratory certification;
 - v. Field and lab blanks; and
 - vi. Table(s) comparing analytical results to remediation objectives approved for the site (include sample depths, date collected, and detection limits);
 - d. Soil boring logs and monitoring well construction diagrams.
3. A narrative description of any special conditions relied upon as part of corrective action including:
 - a. Engineered barriers utilized:
 - i. Type of barrier(s); and
 - ii. Map showing location(s) and dimension(s) of barrier(s);
 - b. Institutional controls utilized:
 - i. Copy of fully executed institutional control(s); and
 - ii. Map showing location(s) of controls;
 - c. Other conditions, if any, necessary for protection of human health and safety and the environment that are related to the issuance of a No Further Remediation Letter; and
 - d. Any information required regarding off-site access;
4. An analysis of the effectiveness of the corrective action that compares the confirmation sampling results to the remediation objectives approved for the site;
5. A conclusion that identifies the success in meeting the remediation objectives approved for the site;
6. Appendices containing references and data sources;
7. The water supply well survey:
 - a. Map(s) showing locations of community water supply wells and other potable wells and the setback zone for each well;
 - b. Map(s) showing regulated recharge areas and wellhead protection areas;
 - c. Map(s) showing the current extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - d. Map(s) showing the modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - e. Table(s) listing the setback zones for each community water supply well and other potable water supply wells;
 - f. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and
 - g. A certification from a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and that the documentation submitted includes the information obtained as a result of the survey (certification of this report satisfies this requirement);

- 8. Site map(s) meeting the requirement of 35 Ill. Adm. Code 732.110(a) or 734.440.
- 9. Development of Tier 2 or 3 remediation objectives, if applicable.
 - a. Equations used;
 - b. Discussions of how input variables are determined;
 - c. Map(s) depicting distances used in equation; and
 - d. Calculations; and
- 10. Property Owner Summary Form.

D. Signatures

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator

Name Aman Food and Gas - Jeet Singh
 Contact Balbir Kaur
 Address 5048 Country Court
 City Davenport
 State Iowa
 Zip Code 52807
 Phone 563-275-8189
 Signature 
 Date 7/26/21

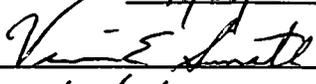
Consultant

Company CWM Company, Inc.
 Contact Carol L. Rowe
 Address 701 S. Grand Avenue West
 City Springfield
 State Illinois
 Zip Code 62704
 Phone 217-522-8001
 Email cwm@cwmcompany.com
 Signature 
 Date August 2, 2021

E. Certification

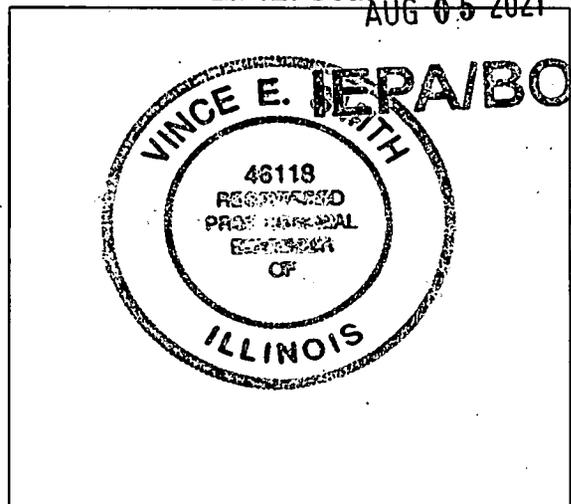
I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 732, or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17]

Licensed Professional Engineer

Name Vince E. Smith
 Company CWM Company, Inc.
 Address 701 S. Grand Avenue West
 City Springfield
 State Illinois
 Zip Code 62704
 Phone (217) 522-8001
 Ill. Registration No. 062-046118
 License Expiration Date 11/30/21
 Signature 
 Date 7/20/21

RECEIVED

L.P.E. Seal AUG 05 2021





Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.19). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false, fictitious, or fraudulent material statement or representation, orally or in writing, to the Agency, or to a unit of local government to which the Agency has delegated authority under subsection (r) of Section 4 of this Act, related to or required by this Act, a regulation adopted under this Act, any federal law or regulation for which the Agency has responsibility, or any permit, term, or condition thereof, commits a Class 4 felony, and each such statement or writing shall be considered a separate Class 4 felony. A person who, after being convicted under paragraph 415 ILCS 5/44 (h)(8), violates paragraph 415 ILCS 5/44 (h)(8) a second or subsequent time, commits a Class 3 felony. (415 ILCS 5/44). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Property Owner Summary

A. Site Identification

IEMA Incident # (6- or 8-digit): 20140247 IEPA LPC# (10-digit): 1610455194
Site Name: Aman Food and Gas
Site Address (not a P.O. Box): 1830 5th Avenue
City: Moline County: Rock Island Zip Code: 61265

Leaking UST Technical File

Engineered barriers, institutional controls, and other use restrictions, if any, proposed for this site may not be implemented without approval by the title holder(s) of record for the above-named property or the agent(s) of such person(s). These controls and restrictions will be identified in the No Further Remediation (NFR) Letter, which must be recorded in the chain of title for the property. Failure to maintain these controls is grounds for voidance of the NFR Letter.

B. Preventive, Engineering, and Institutional Controls and Land Use Limitations

The following controls and restrictions are proposed for the above-named site:

- Industrial/commercial land use limitation;
- On-site groundwater restriction prohibiting the use of groundwater beneath the site as a potable water supply;
- An engineered barrier: Building, asphalt/concrete, or Other:

(description) _____

- Concrete Base with no Sumps;
- Building Control Technology: Existing Future
- Groundwater ordinance: With a MOU; Without a MOU;
- Construction worker caution notification;
- Maintain a clean soil barrier (indoor inhalation):
- Other: Industrial-Commercial Inhalation Caution Notification
- None (There are no proposed institutional controls other than the NFR Letter.).

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AUG 05 2021
IEPA/BOL

C. Property Ownership Declaration

I hereby affirm that I have reviewed the attached report entitled Corrective Action Completion Report and dated 7/19/21 and that I accept the terms and conditions set forth therein, including any land use limitations, that apply to property I own. I further affirm that I have no objection to the recording of a No Further Remediation Letter containing the terms and conditions identified in the report upon the property I own.

Name of Property Owner: Balbir Kaur

Name of Officer or Agent: _____

Mailing Address: 5048 Country Court

City Davenport

State IA

Zip Code 52807

Signature BALBIR KAUR

Date 7/26/21

D. Site Description

Real Estate Tax/Parcel Index Number: 0832402003

Legal Description of Site (must be provided on a separate sheet)

2019-12332



AFFIX TRANSFER TAX STAMPS

or
"Exempt under the provisions of Paragraph E,
Section 4, Real Estate Transfer Tax Act"

Date: 8-20-2019

Douglas Wells
Buyer, Seller or Representative Douglas Wells

2019-12332

KELLY FISHER
ROCK ISLAND COUNTY RECORDER
ROCK ISLAND, IL

RECORDED ON
08/30/2019 11:37AM
REC FEE: 55.00
RHSP FEE: 10.00
BOOK: 0
PAGE: 0
PAGES: 2

80508

QUIT CLAIM DEED
Illinois Statutory Form

THE GRANTOR (S): Balbir Kaur, a married person

for and in consideration of the sum of One Dollar and other good and valuable consideration in hand paid;

CONVEY(S) AND QUIT CLAIM(S) to Avi Property Management, Inc., an Illinois Corporation

the following described real estate:

Lot 1, except the North 10 feet conveyed to the City of Moline, in Block 6 in that part of the City of Moline known as and called Wood's Second Addition; situated in Rock Island County, Illinois. Excepting therefrom that property conveyed to the State of Illinois described as follows: Beginning at the Southeast corner of said Lot 1; thence Northerly along the East line of said Lot One (1), Forty-Five (45) feet to a point; thence Southerly to a point in the South line of said Lot 1, said point being 3 feet Westerly of the Southeast corner of said Lot; thence Easterly along the South line of said Lot 1, to the point of beginning and there terminating;

Commonly known as: 1830 5th Avenue Moline, IL 61265

PIN: 0832402003

Situated in the County of Rock Island, State of Illinois, hereby releasing and waiving all rights under and by virtue of the Homestead Exemption Laws of the State of Illinois.

Dated this 20th day of August, 2019.

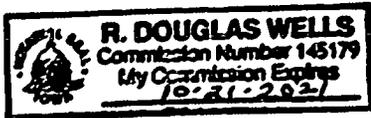
BALBIR KAUR
Balbir Kaur

(GRANTOR WARANTS THAT THIS IS NOT HOMESTEAD PROPERTY)

STATE OF IOWA)
) ss:
COUNTY OF SCOTT)

I, the undersigned, a Notary Public, in and for said County and State, aforesaid, DO HEREBY CERTIFY, that, Balbir Kaur, a married person, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said instrument as their free and voluntary act, for the uses and purposes therein set forth, including the release and waiver of the right of homestead.

Given under my hand and notarial seal this 20th day of August, 2019.



R. Douglas Wells
Notary Public

MAIL TAX BILL TO:

*Axi Property Management
5048 Coventry Court
Davenport, IA 52807*

GRANTEES ADDRESS:

5048 Coventry Court
Davenport, IA 52807

THIS INSTRUMENT PREPARED BY:

Gomez May LLP
2322 E Kimberly Rd, Suite 120W
Davenport, IA 52807

RETURN TO:

Gomez Title (CR)
Gomez May LLP
2322 E Kimberly Rd, Suite 120W
Davenport, IA 52807

APPENDIX B

SITE MAPS AND ILLUSTRATIONS

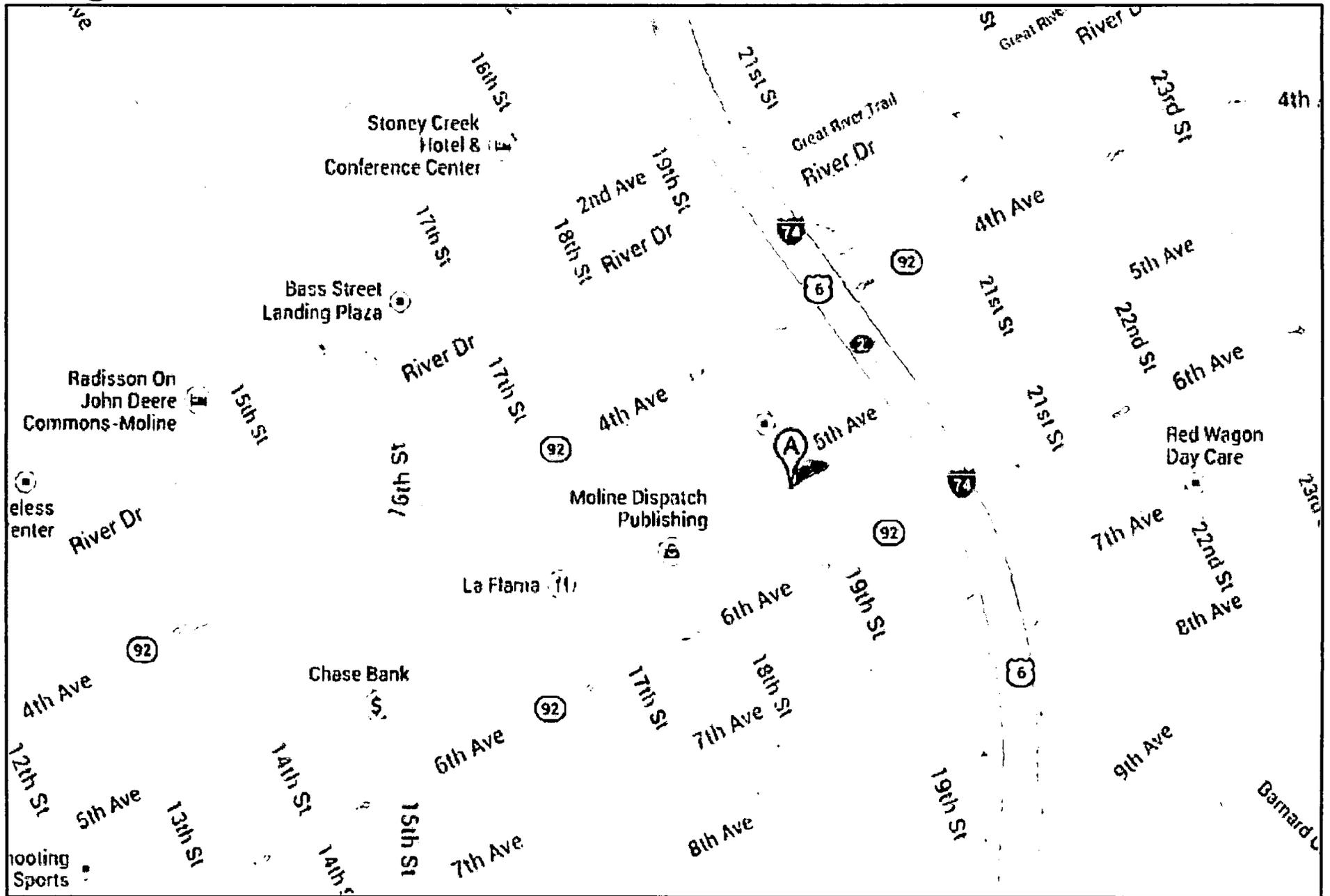
CORRECTIVE ACTION COMPLETION REPORT

AMAN FOOD AND GAS MOLINE, ILLINOIS

CW³M Company, Inc.
Corrective Action Completion Report
Aman Food and Gas
LPC #1610455194 – Incident Number 2014-0247

INDEX OF DRAWINGS

Drawing Number	Description
0001A	Site Location Map
0001B	Topographic Map
0001C	Existing Groundwater Ordinance Map
0002	Site Map
0003	Soil Boring Location Map
0004	Monitoring Well Location Map
0005	Monitoring Well Elevation Map
0006A	Groundwater Flow Map (October 2014)
0006B	Groundwater Flow Map (April 2016)
0007A	Soil Contamination Values Map (0-5 feet)
0007B	Soil Contamination Values Map (5-10 feet)
0008	Groundwater Contamination Values Map
0009	Soil Contamination Plume Map
0010	Groundwater Contamination Plume Map
0011	TACO Parameters and Modeling Map
0012A	Construction Worker Caution Map
0012B	Engineered Barrier Map
0013	Groundwater Ordinance Map

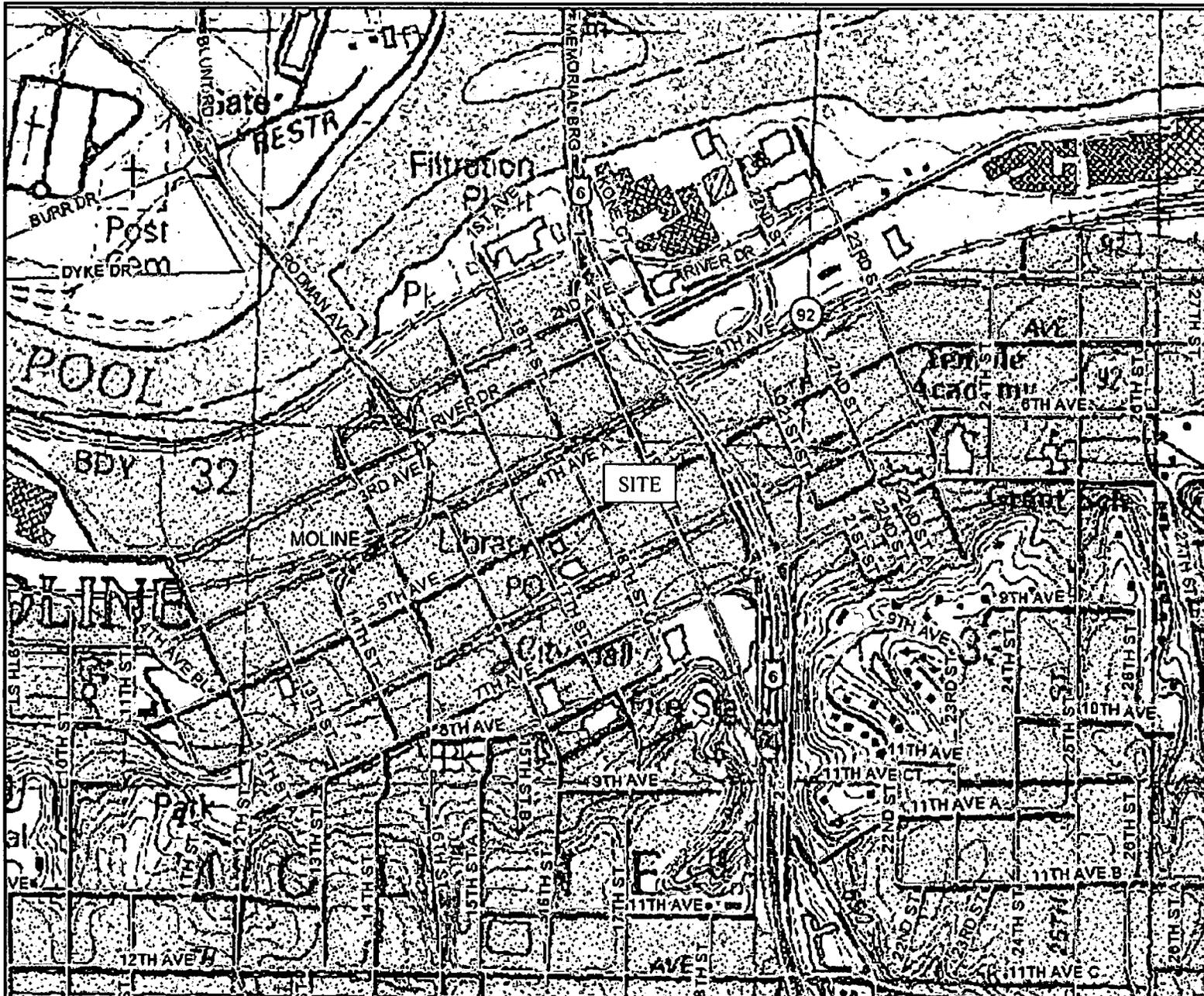


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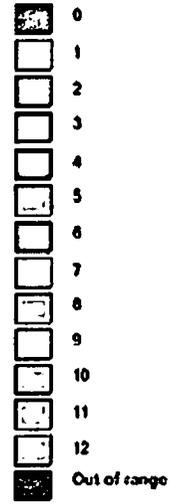
CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Site Location Map
1830 5th Avenue
Moline, Illinois

Drawn By: BMW
Reviewed By: CLR
Drawing 0001A
SiteMap.doc



- Legend**
- Municipal boundaries
 - County lines
 - State line
 - Local Roads
 - Major Roads
 - State Highways
 - U.S. Highways
 - Interstates

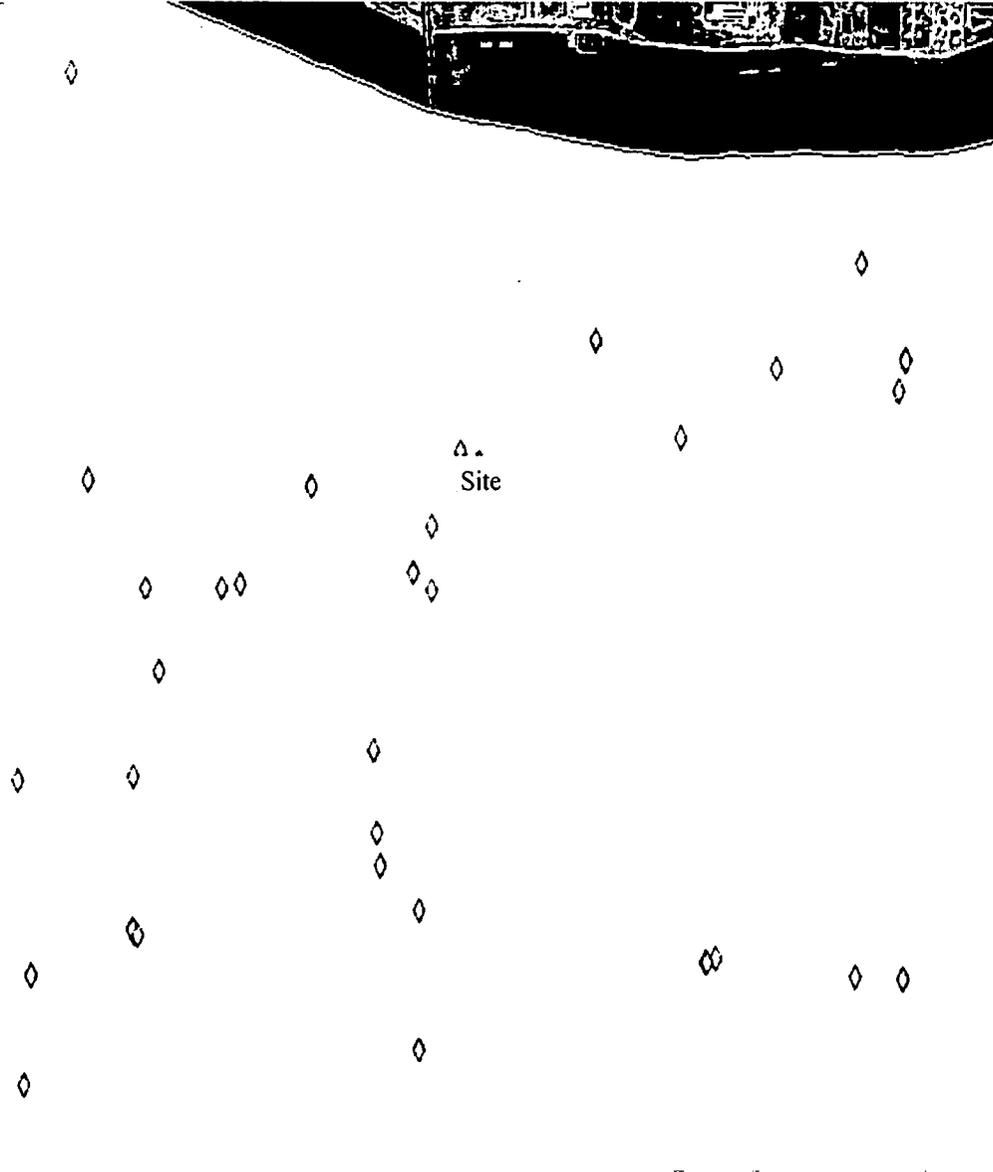
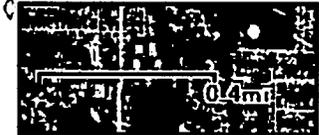
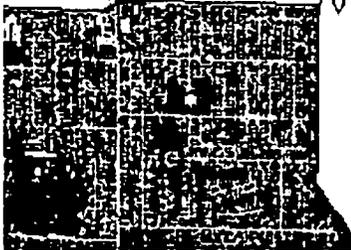
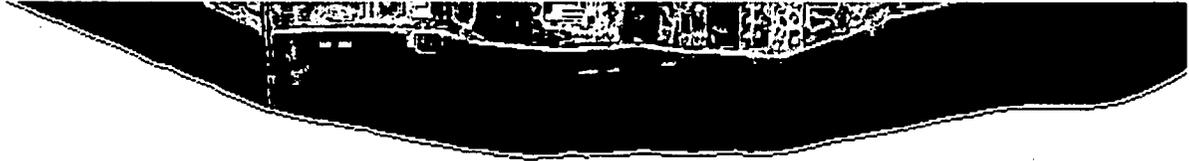
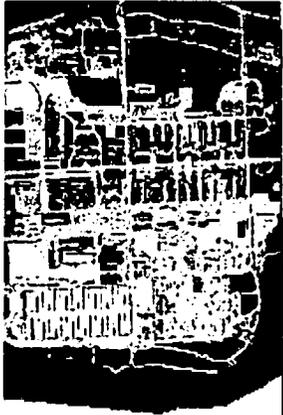


289000

CW³M Company, Inc.
 701 South Grand Avenue West
 Springfield, IL 62704
 (217)-522-8001

Topographic Map
 1830 5th Avenue
 Moline, Illinois

Drawn By: BMW
 Reviewed By: CLR
 Drawing 0001B
 TopoMap.doc

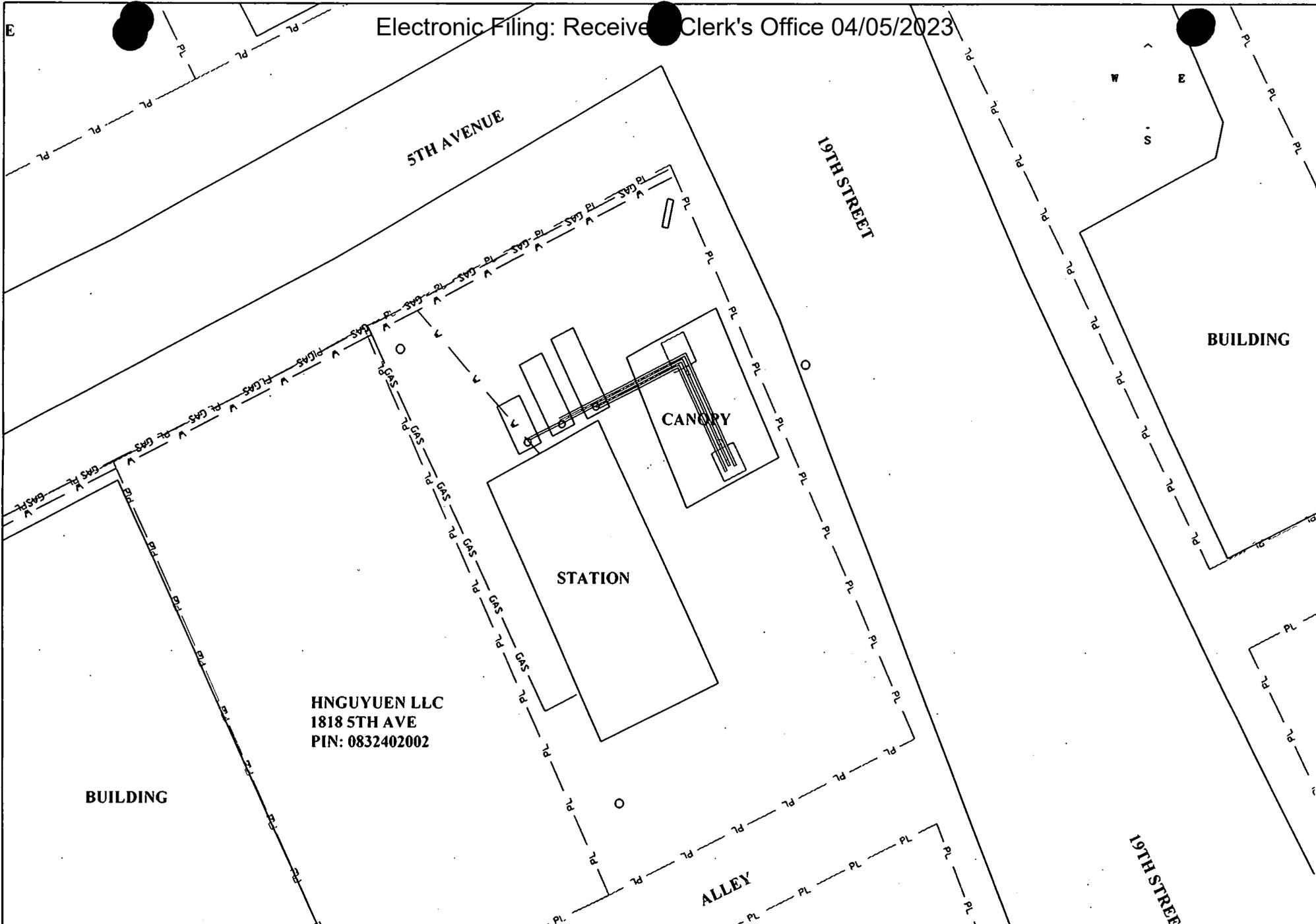


000588

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, IL 62704
(217)-522-8001

Existing Groundwater Ordinance Map
1830 5th Avenue
Moline, Illinois

Drawn By: MJS
Reviewed By: CLR
Drawing 0001C
GWOrd.doc



HNGUYEN LLC
 1818 5TH AVE
 PIN: 0832402002

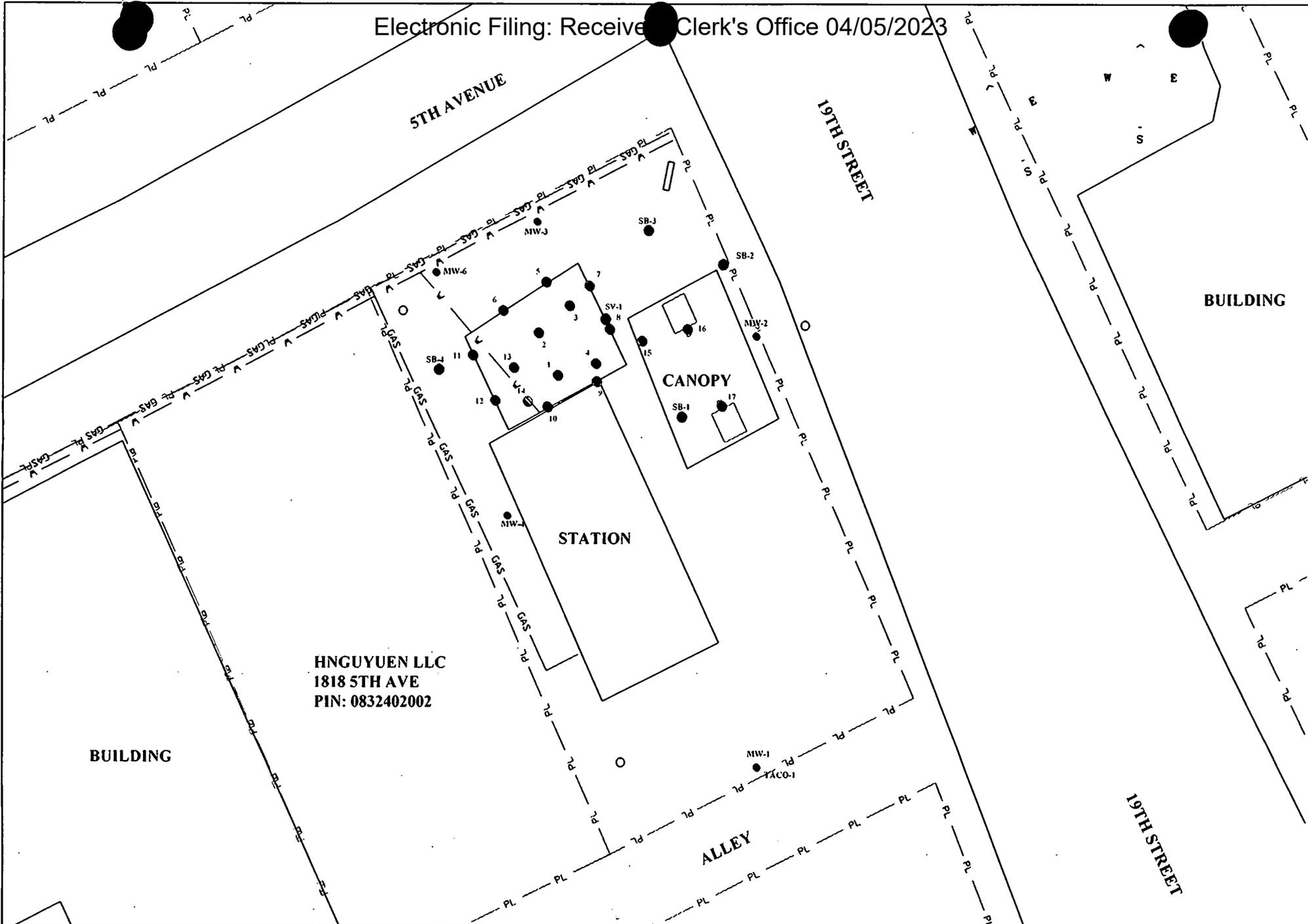
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 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

SITE MAP

DATE: 9/5/13
 REVISED DATE: 3/29/19
 SCALE 1"=30'
 DRAWING: 0002

DRAWN BY: MDR
 REVISED BY: MJS
 REVIEWED BY: CLR
 SITE.DWG



000550
 CW M COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

SOIL BORING
 LOCATION MAP

DATE: 1/9/2014
 REVISED DATE: 6/22/16
 SCALE 1"=30'
 DRAWING: 0003

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 SBLOC.DWG

PARKING LOT

MING LXX LECLAIRE
1819 5TH AVE
PIN: 0832228003

5TH AVENUE

5TH AVENUE

19TH STREET

BUILDING

BUILDING

STATION

CANOPY

ALLEY

HNGUYEN LLC
1818 5TH AVE
PIN: 0832402002

BUILDING

HNGUYEN LLC
1810 5TH AVE
PIN: 0832402001

ALLEY

19TH STREET

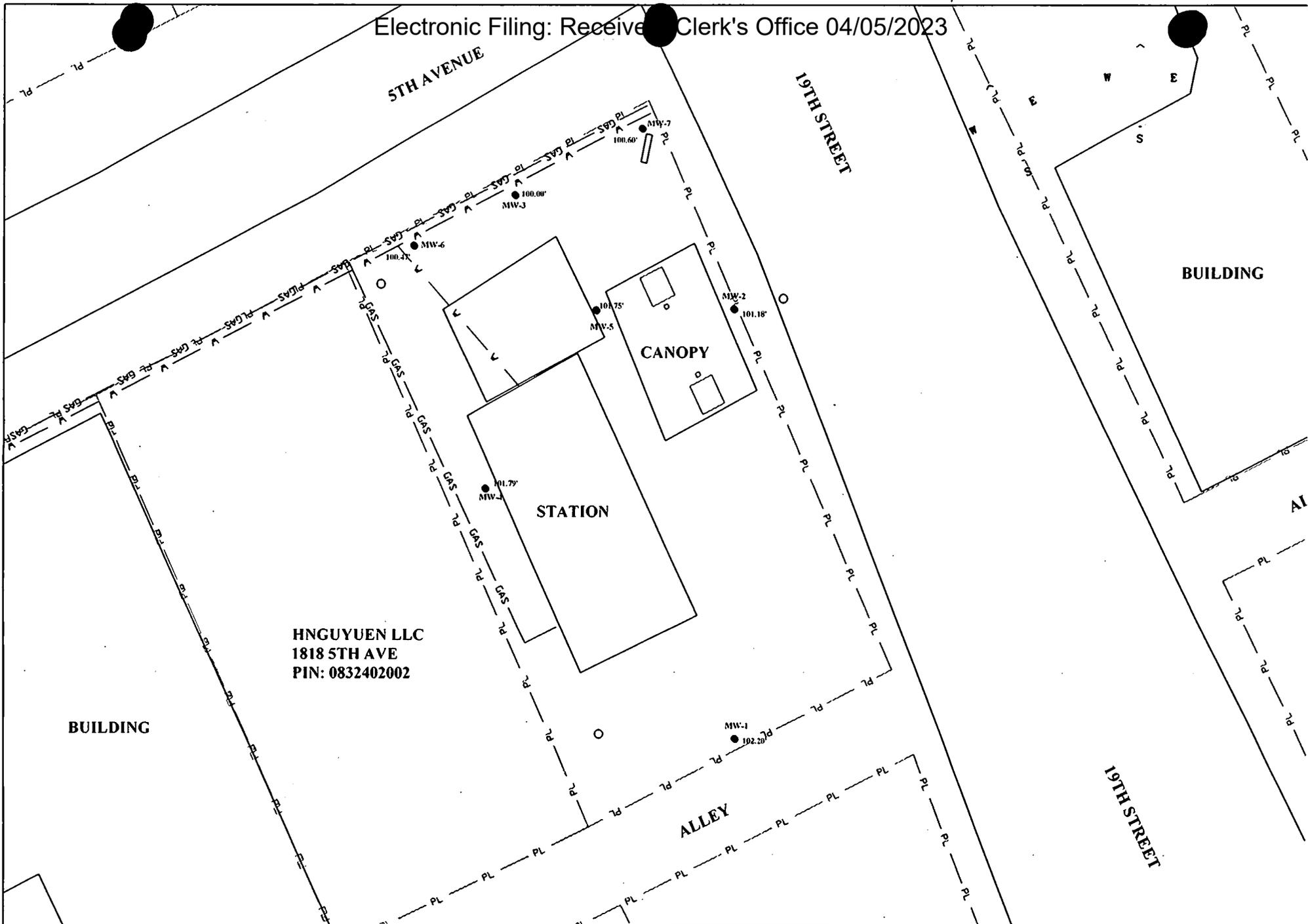
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CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

MONITORING WELL
LOCATION MAP

DATE: 1/9/2014
REVISED DATE: 9/29/19
SCALE 1"=40'
DRAWING: 0004

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
MWLOC.DWG



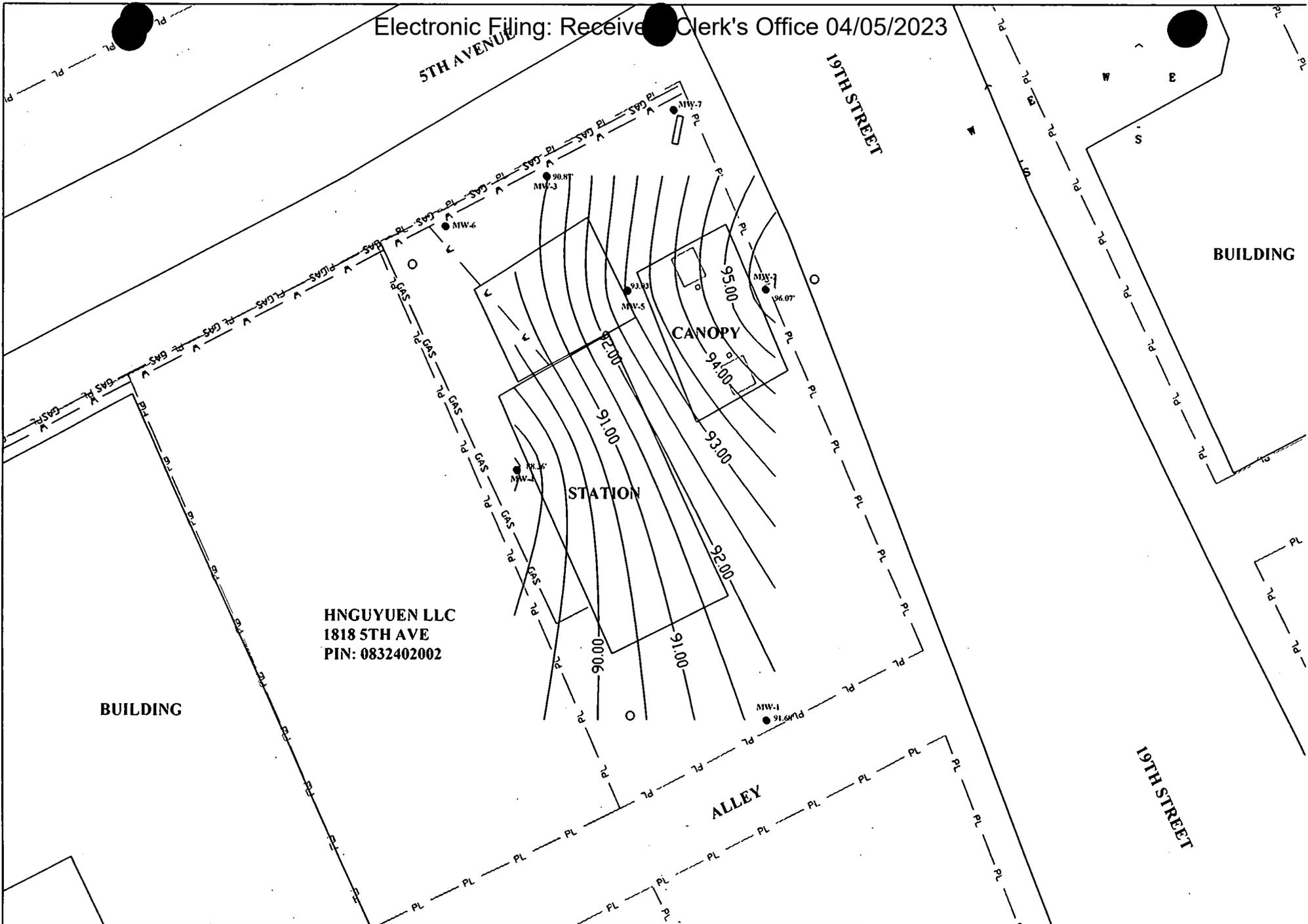
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 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

MONITORING WELL
 ELEVATION MAP

DATE: 1/9/2014
 REVISED DATE: 6/22/16
 SCALE 1"=30'
 DRAWING: 0005

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 MWELEV.DWG



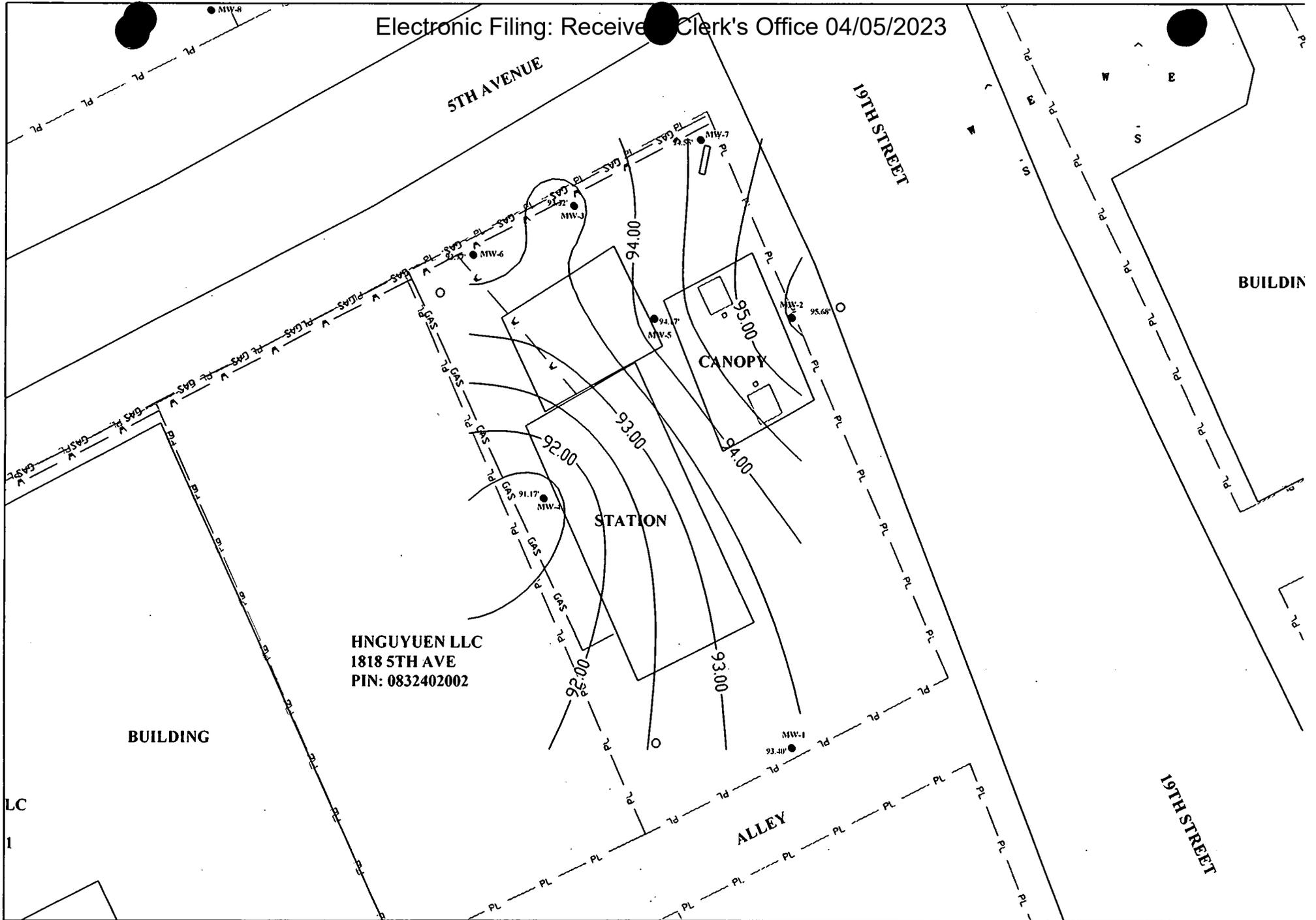
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 CW M COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

GROUNDWATER
 FLOW MAP
 (OCTOBER 2014)

DATE: 1/9/2014
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0006A

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 GW1014.DWG



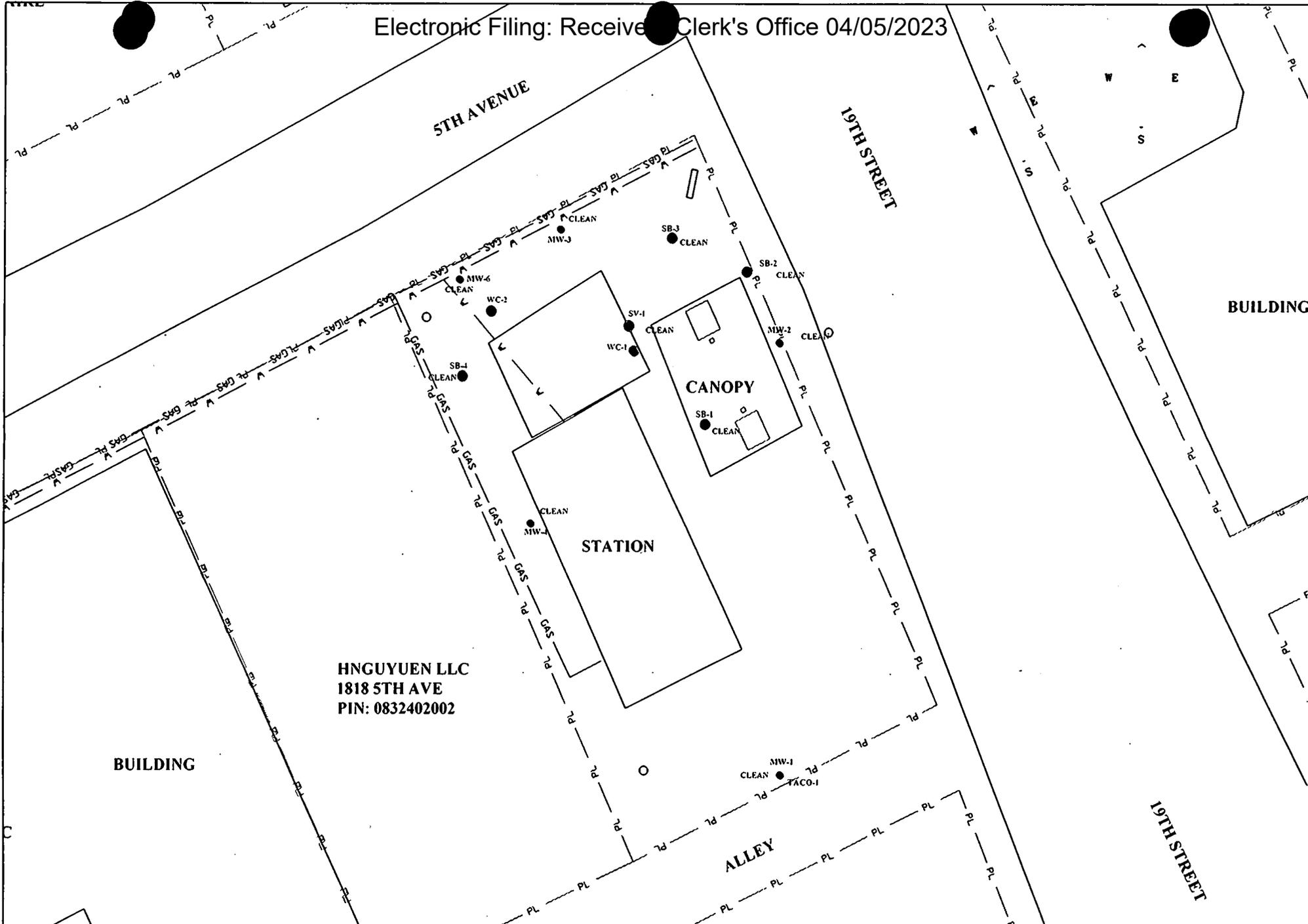
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 CW M COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

GROUNDWATER FLOW
 MAP (APRIL 2016)

DATE: 6/22/16
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0006B

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
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HNGUYEN LLC
 1818 5TH AVE
 PIN: 0832402002

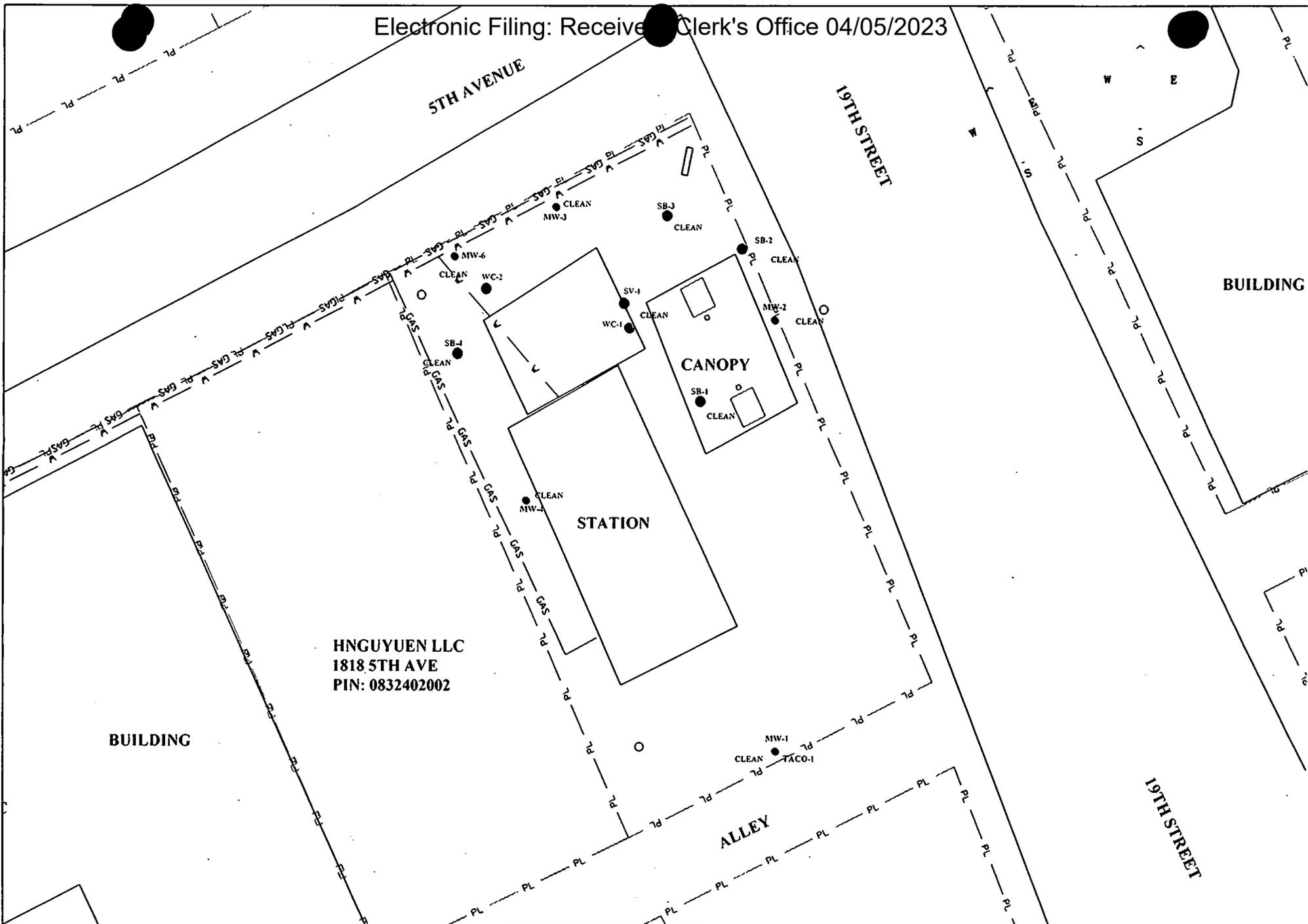
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 CW M COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

SOIL CONTAMINATION
 VALUES MAP (0-5 FEET)

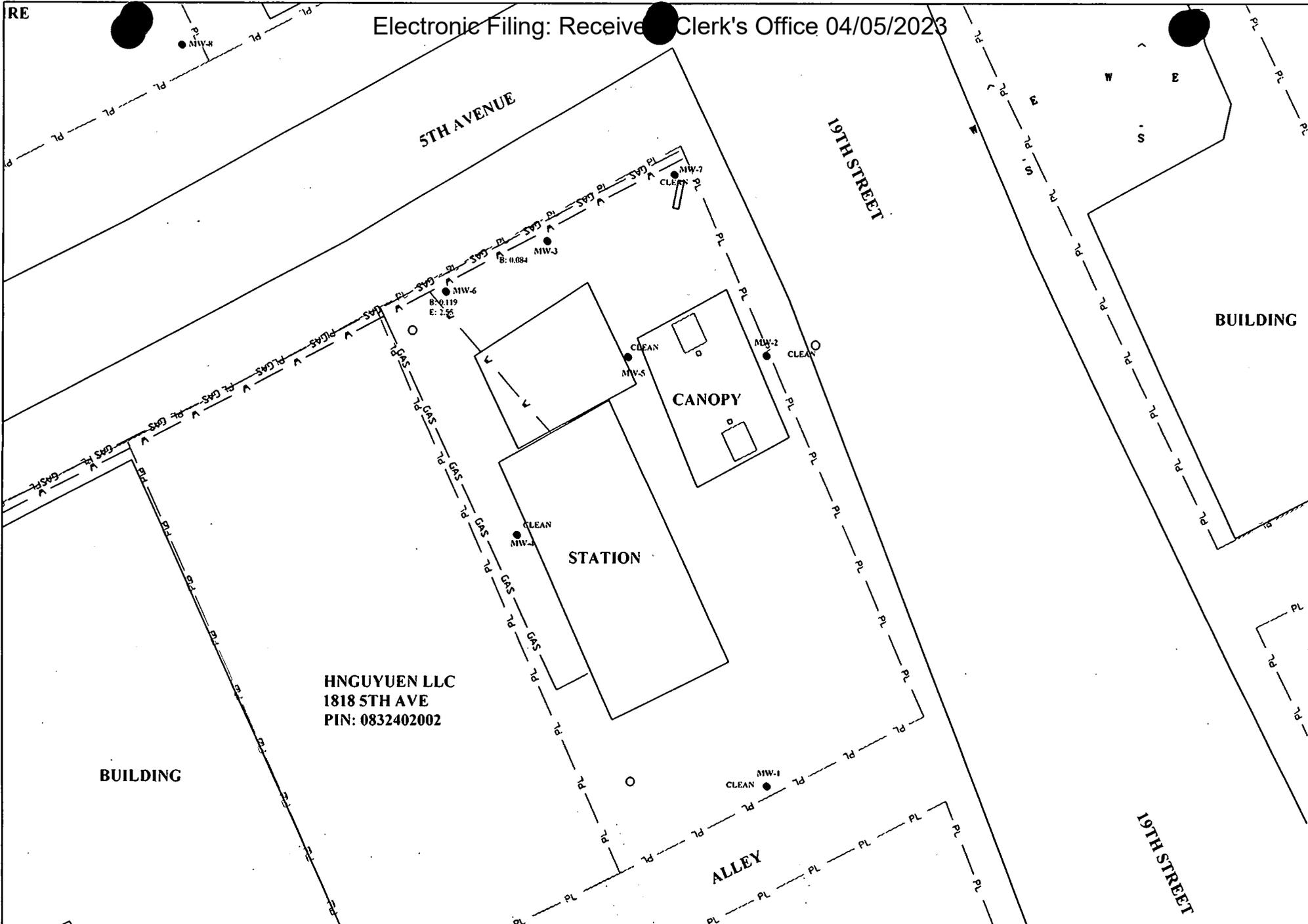
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 REVISED DATE: 6/22/16
 SCALE 1"=30'
 DRAWING: 0007A

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 SOILCON0-5.DWG



HNGUYEN LLC
 1818 5TH AVE
 PIN: 0832402002

<p>000536 CWM COMPANY, INC. 701 W. SOUTH GRAND SPRINGFIELD, IL. 62704 (217) 522-8001</p>	<p>AMAN FOOD & GAS MOLINE, ILLINOIS INCIDENT #2014-0247 ROCK ISLAND COUNTY</p>	<p>SOIL CONTAMINATION VALUES MAP (5-10 FEET)</p>	<p>DATE: 1/9/2014 REVISED DATE: 6/22/16 SCALE 1"=30' DRAWING: 0007B</p>	<p>DRAWN BY: MJS REVISED BY: REVIEWED BY: CLR SOILCON5-10.DWG</p>
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HNGUYUEN LLC
 1818 5TH AVE
 PIN: 0832402002

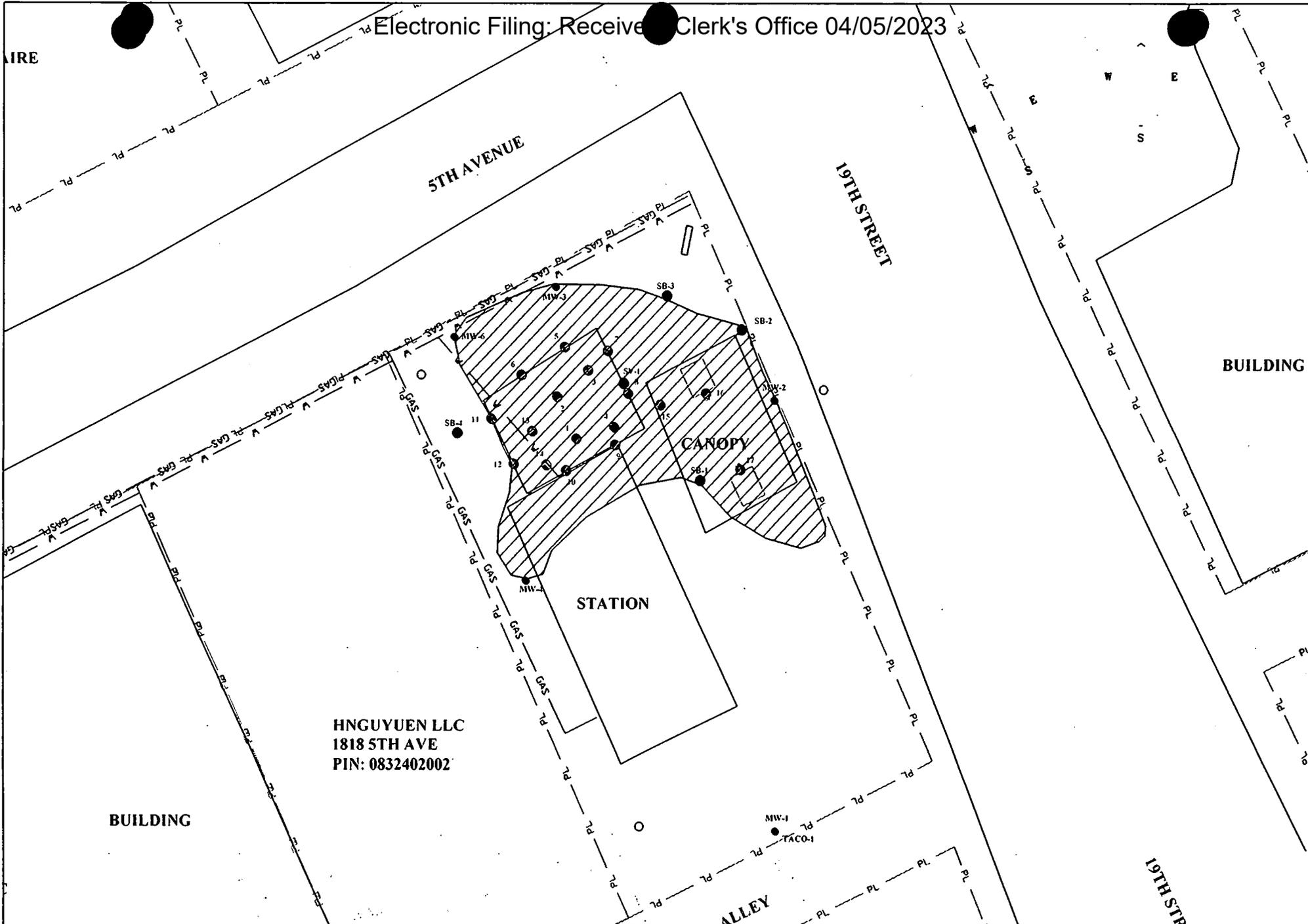
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 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

GROUNDWATER
 CONTAMINATION
 VALUES MAP

DATE: 1/9/2014
 REVISED DATE: 6/22/16
 SCALE 1"=30'
 DRAWING: 0008

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 GWCON.DWG



HNGUYEN LLC
 1818 5TH AVE
 PIN: 0832402002

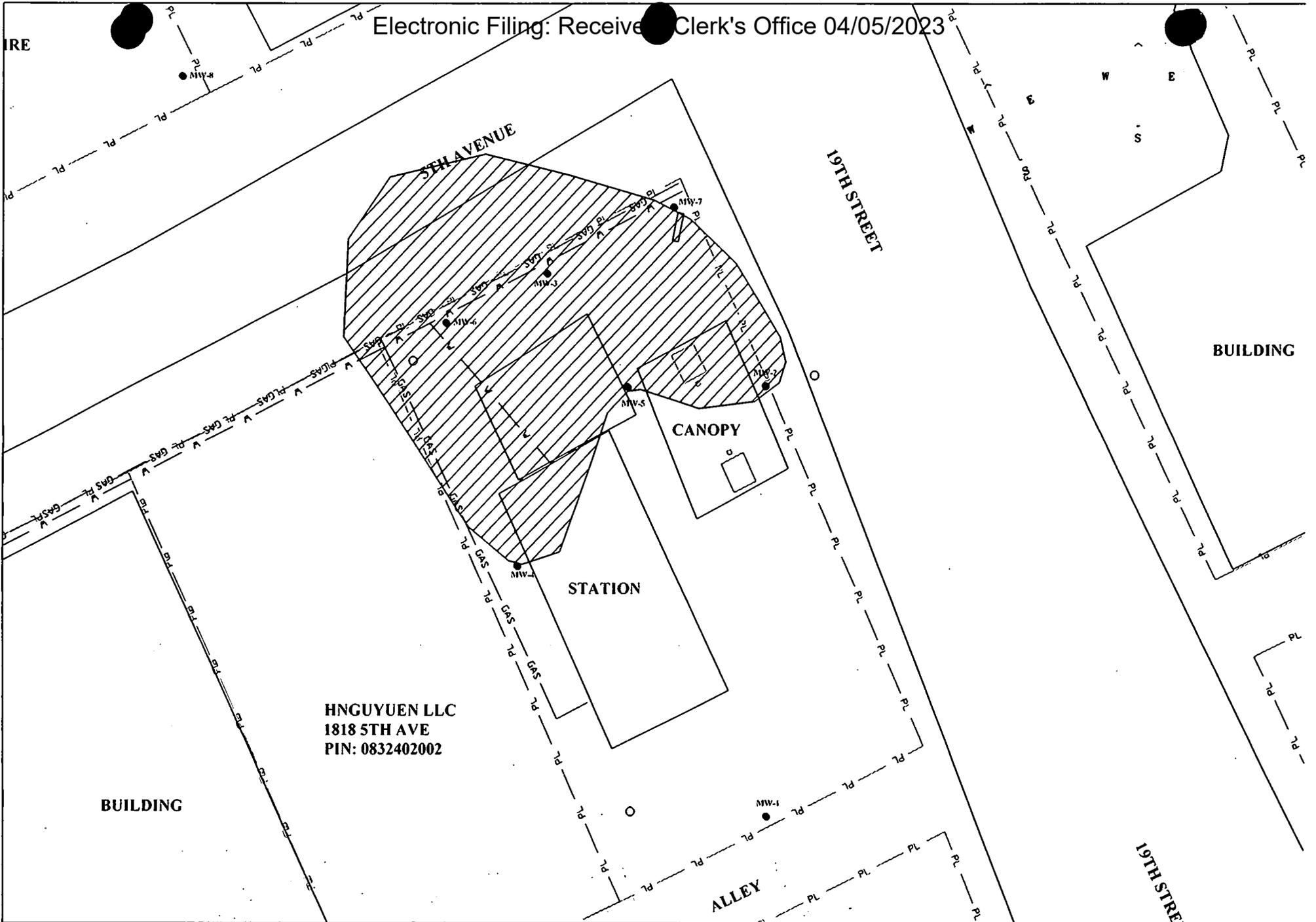
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 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

SOIL CONTAMINATION
 PLUME MAP

DATE: 9/13/18
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0009

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 SPLUME.DWG



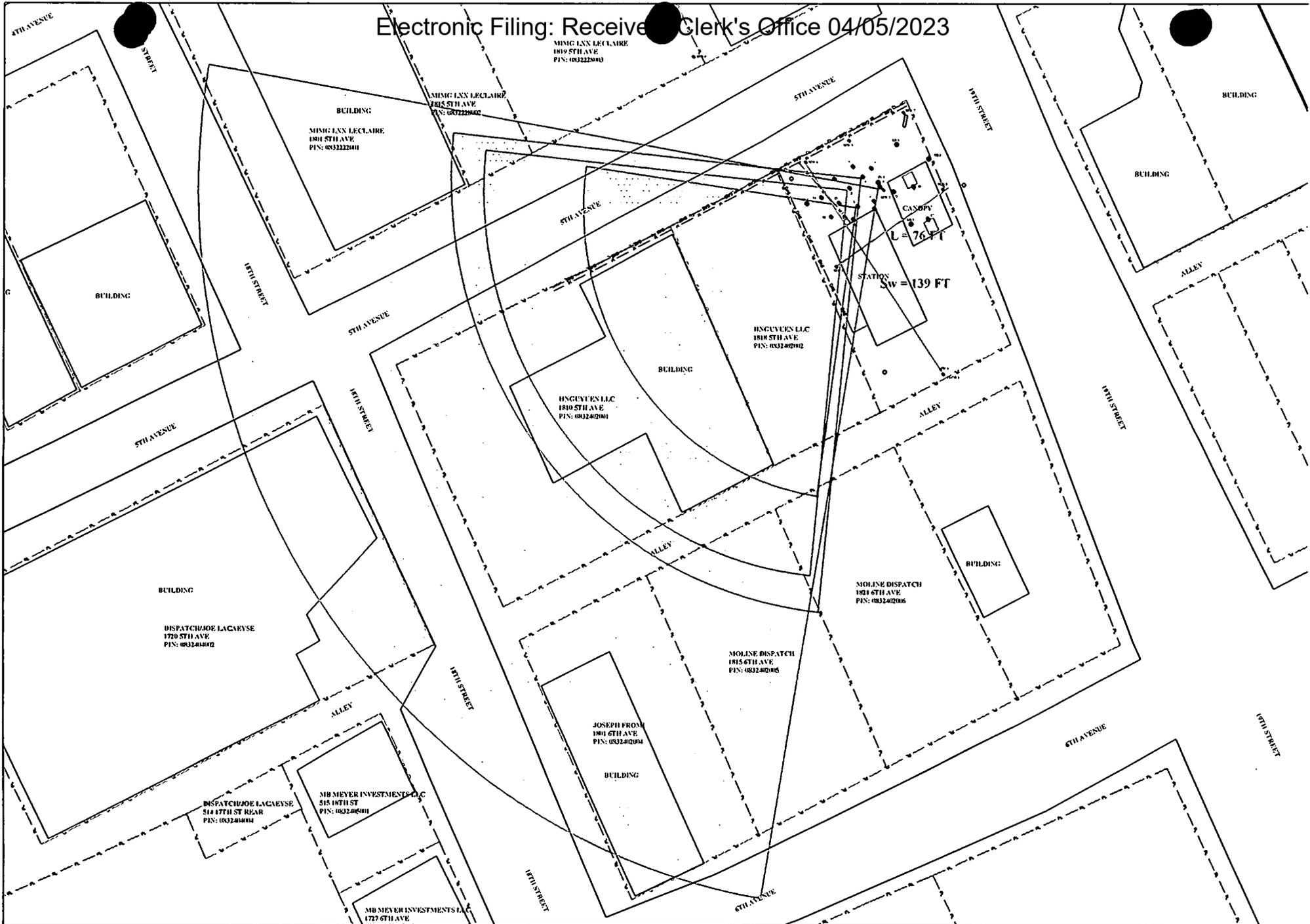
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 CW²M COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

GROUNDWATER
 CONTAMINATION
 PLUME MAP

DATE: 9/13/18
 REVISED DATE:
 SCALE 1"=30'
 DRAWING: 0010

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 GWPLUME.DWG



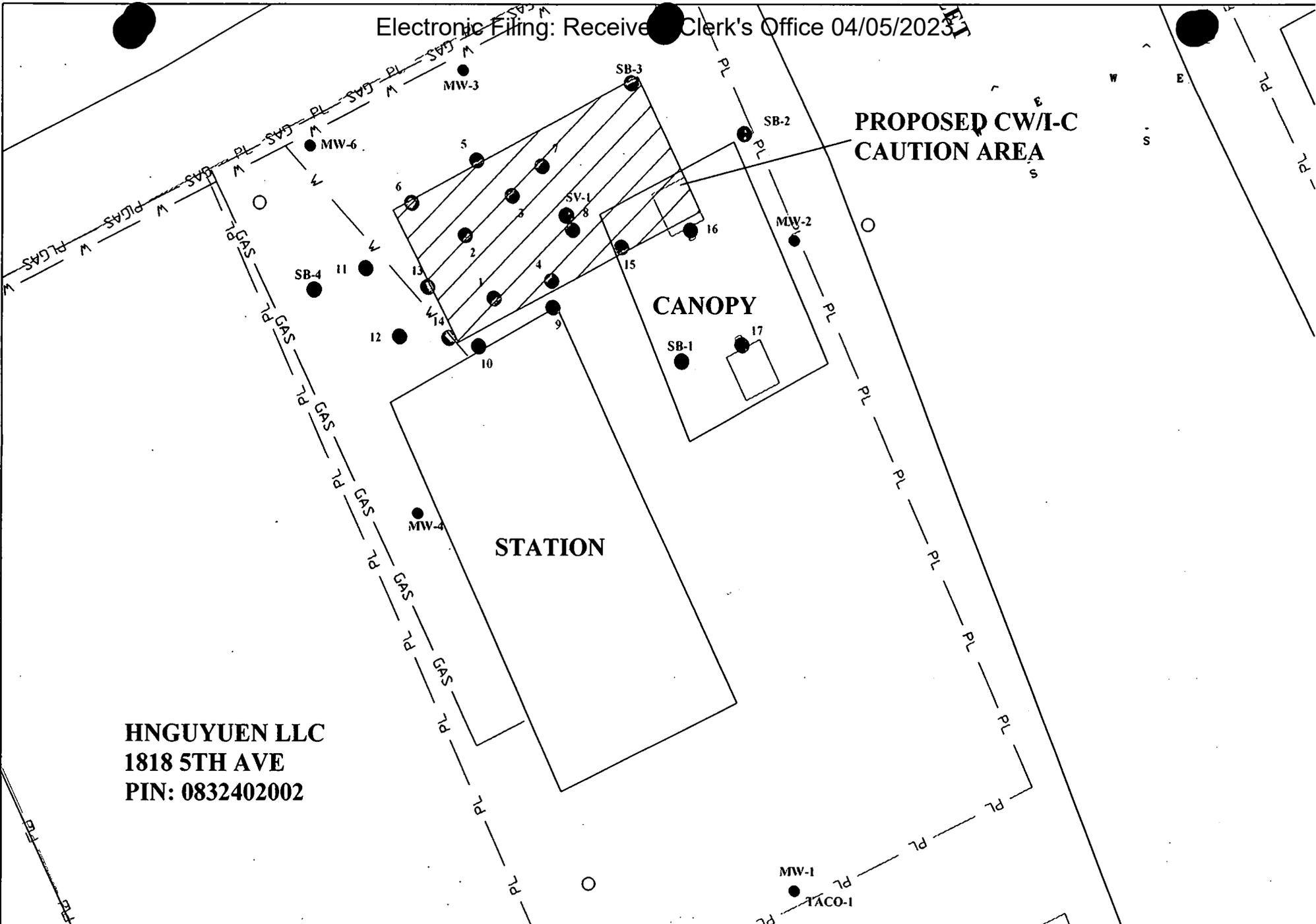
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 CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

TACO PARAMETERS AND
 MODELING MAP

DATE: 3/29/19
 REVISED DATE: 9/29/19
 SCALE 1"=70'
 DRAWING: 0011

DRAWN BY: MJS
 REVISED BY:
 REVIEWED BY: CLR
 TACO.DWG



HNGUYUEN LLC
1818 5TH AVE
PIN: 0832402002

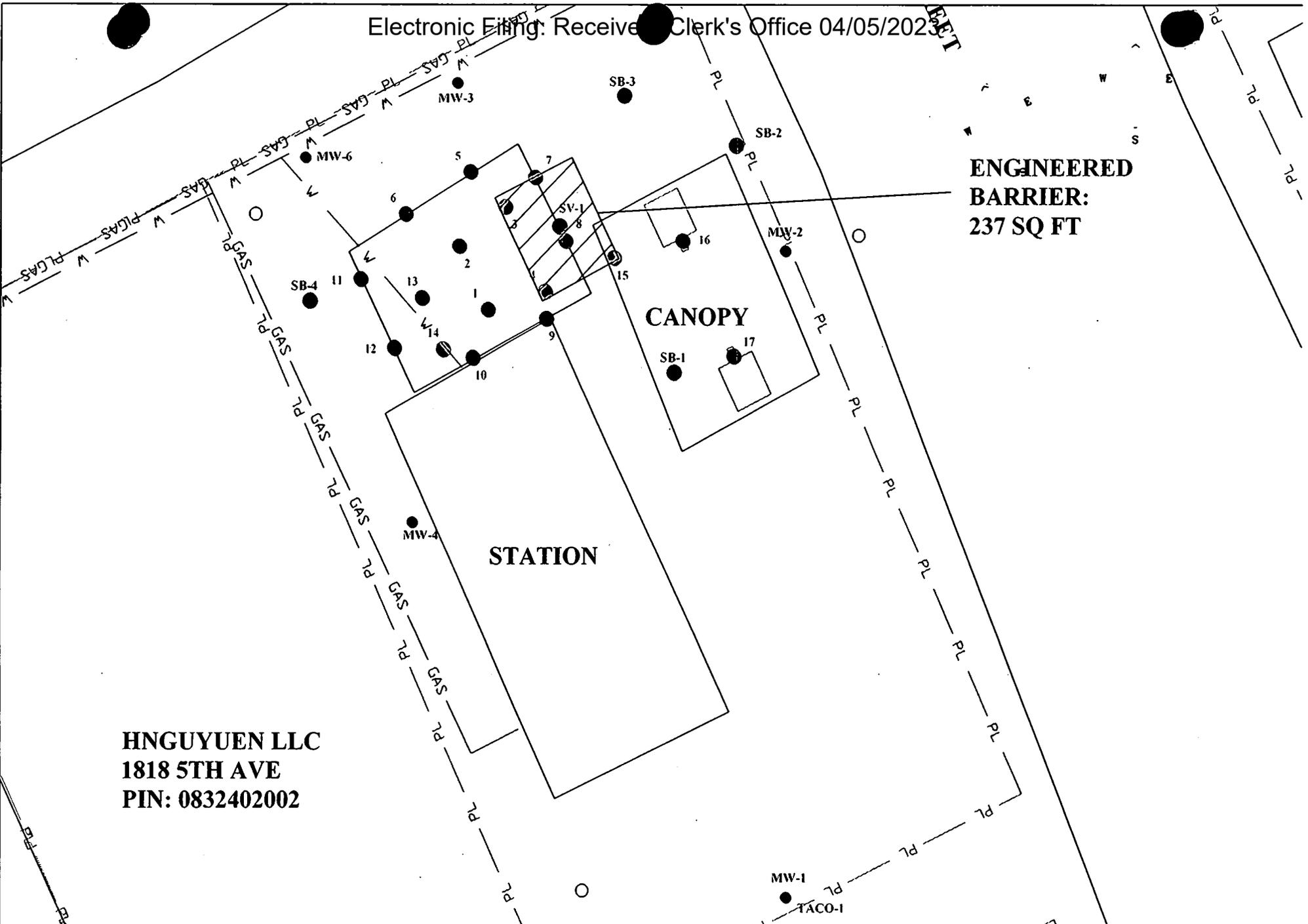
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CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001

AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY

CONSTRUCTION
WORKER CAUTION MAP

DATE: 3/29/19
REVISED DATE: 9/29/19
SCALE 1"=20'
DRAWING: 0012A

DRAWN BY: MJS
REVISED BY:
REVIEWED BY: CLR
CAUTION.DWG



**ENGINEERED
BARRIER:
237 SQ FT**

CANOPY

STATION

**HNGUYUEN LLC
1818 5TH AVE
PIN: 0832402002**

000602
**CWM COMPANY, INC.
701 W. SOUTH GRAND
SPRINGFIELD, IL. 62704
(217) 522-8001**

**AMAN FOOD & GAS
MOLINE, ILLINOIS
INCIDENT #2014-0247
ROCK ISLAND COUNTY**

**ENGINEERED BARRIER
MAP**

**DATE: 4/9/2019
REVISED DATE: 9/29/19
SCALE 1"=20'
DRAWING: 0012B**

**DRAWN BY: JKK
REVISED BY: MJS
REVIEWED BY: CLR
EngBar.DWG**

APPENDIX C

BORING LOGS AND WELL COMPLETION REPORTS

CORRECTIVE ACTION COMPLETION REPORT

AMAN FOOD AND GAS MOLINE, ILLINOIS



Illinois Environmental Protection Agency

CWTM COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247		BOREHOLE NUMBER: RC-1	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 48' W & 6' S from NW corner of station	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill Rig	
DATE/TIME STARTED: 2/19/13 1:00 pm		DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger	
DATE/TIME FINISHED: 2/19/13 1:20 pm		BACKFILL: Grout/Cuttings	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Grass						
1	Black silty loam, topsoil						
2	Dark brown silty clay	CL	90%	0			
3							
4							
5							
6	Gray silty clay	CL	95%				
7							
8							
9	Gray clayey silt	ML		960.3	Grab	RC-1-8.5'	Odor & discoloration Waste characterization parameters
10							
11	End of boring - 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES:

Manway / Surface Elevation:

Groundwater Depth While Drilling: N/A **Auger Depth:** 10' **Driller:** CWTM

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MAB



Illinois Environmental Protection Agency

CWTM COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247		BOREHOLE NUMBER: WC-1	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 3' West & 6' North of Northeast Corner of Building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Geoprobe	
DATE/TIME STARTED: 3/3/14 11:10 AM		DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger	
DATE/TIME FINISHED: 3/3/14 11:30 AM		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0							
1	concrete with gravel subbase	OM					odor and discoloration throughout worsening with depth
2							
3	backfill sand		90%	695	grab	WC1-2.5'	
4							
5							
6							
7							
8			100%	1245.0	grab	WC1-7.5	BETX, MTBE
9							softens
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and discoloration

Manway / Surface Elevation:

Groundwater Depth While Drilling:	10'	Auger Depth:	10'	Driller:	CW TM
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: WC-2
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 15'W and 33'N of NW Corner of Building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Geoprobe
DATE/TIME STARTED: 3-3-2014 11:30	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 3-3-2014 11:50	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	concrete with gravel subbase	OM					odor and discoloration throughout most visable at 5'
1							
2	backfill sand		90%				
3							
4							
5	Grey Mottled Brown clayey silt, loam	CL		850	grab	WC2-2.5'	BETX, MTBE, Flash point, PH
6	trace sand						Paint Filter
7							
8			100%	422.0	grab	WC2-7.5	
9							
10	End of boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sample collected at 7.5' depth based on PID reading, odor and dicoloration

Manway / Surface Elevation:

Groundwater Depth While Drilling: 10'	Auger Depth: 10'	Driller: CW ² M
Groundwater Depth After Drilling:	Rotary Depth:	Geologist: MDR



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 45' N and 8' E corner of SE building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 10/1/14 1:15 PM	DRILLING/SAMPLE METHOD: continuous sampling/hollow stem auger
DATE/TIME FINISHED: 10/1/14 1:30 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No odor or discoloration
2	Light brown silty clay	CL	90%	5.0	Grab	SB-1 2.5'	BETX, MTBE
3							
4							
5							
6							
7							
8			90%	20.0	Grab	SB-1 7.5'	BETX, MTBE
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling:	~10	Auger Depth:	10'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MDR,MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-2
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 37' E and 7' N of NE corner of building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 10/1/14 1:30 PM	DRILLING/SAMPLE METHOD: Push
DATE/TIME FINISHED: 10/1/14 1:45 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No odor or discoloration
2	Dark brown silty clay	CL	95%	12.0	Grab	SB-2 2.5'	BETX, MTBE
3							
4	Brown silty clay	CL					
5							
6							
7							
8			100%	8.0	Grab	SB-2 7.5'	BETX, MTBE
9							
10	End of Boring 10'						wet
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~10 **Auger Depth:** 10' **Driller:** AEDC

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247		BOREHOLE NUMBER: SB-3	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 25' N and 17' E of NE corner building	
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill Rig	
DATE/TIME STARTED: 10/1/14 1:45 PM		DRILLING/SAMPLE METHOD: push	
DATE/TIME FINISHED: 10/1/14 2:00 PM		BACKFILL: grout	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor / Discoloration
2	Brown silty clay	CL	90%	23.0	Grab	SB-3 2.5'	BETX, MTBE
3							
4							
5							
6							
7							
8			100%	54.0	Grab	SB-3 7.5	BETX, MTBE
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~10 **Auger Depth:** 10' **Driller:** AEDC

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MDR,MJS



Illinois Environmental Protection Agency

CW^{LL}M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: SB-4
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 30' N and 15' E of NW corner building
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 4/19/16 12:15 PM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 4/19/16 12:30 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Top soil	OL					
1	Dark brown silty clay	CL	95%	0.0	Grab	SB-4 2.5'	No Odor / Discoloration
2							BETX, MTBE
3	Brown silty clay	CL	100%	0.0	Grab	SB-4 7.5'	
4							
5							BETX, MTBE
6							
7							
8							
9							
10							Wet
11	End of Boring 10'						
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled 2.5 and 7.5 per regs

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~9-10 **Auger Depth:** 10' **Driller:** AEDC

Groundwater Depth After Drilling: **Rotary Depth:** **Geologist:** MDR,MJS



Illinois Environmental Protection Agency

CW M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: TACO-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 2' S of MW-1
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 4/19/16 12:00 PM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 4/19/16 12:15 PM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
	Subbase						
1	Light brown silty clay	CL	90%	0.0	Grab	TACO-1 2.5'	No Odor / Discoloration
2							
3							
4							
5							
6							
	Brown silty clay with trace of sand	CL	100%	0.0	Grab	TACO-1 7.5'	BETX, MTBE, TACO Parameters
8							
9							
10							Wet
	End of Boring 10'						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled for TACO as well as BETX, MTBE per IEPA Request

Manway / Surface Elevation:

Groundwater Depth While Drilling: ~9' 10' Auger Depth: 10' Driller: AEDC

Groundwater Depth After Drilling: Rotary Depth: Geologist: MDR,MJS



Illinois Environmental Protection Agency

CW² M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: SV-1
SITE NAME: Aman Food & Gas - Moline	BORING LOCATION: 1' W of MW-6
SITE ADDRESS: 1830 5th Avenue Moline, IL 61265	RIG TYPE: Truck Mounted Drill Rig
DATE/TIME STARTED: 9/3/19 11:40 AM	DRILLING/SAMPLE METHOD: push
DATE/TIME FINISHED: 9/3/19 11:50 AM	BACKFILL: grout

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						Slight Odor / Discoloration
2	Dark brown silty clay	CL	95%	4.1			
3							
4	End of boring - 4'			11.0	Grab	SV-1	Vapor Parameters
5							
6							
8							
9							
10							
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Soil-gas vapor sample taken at a depth of 4'

Manway / Surface Elevation:

Groundwater Depth While Drilling:	N/A	Auger Depth:	4'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Geologist:	MJS / JKK



Illinois Environmental Protection Agency

CW M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-1
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 35' S and 10' W of SE corner of building
DATE/TIME STARTED: 10-1-14 9:30 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 10:15 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Subbase						No Odor or Discoloration
1	Light Brown Silty Clay	CL	90%	10.0	Grab	MW-1 2.5'	BETX, MTBE
2							
3							
4							
5							
6	Brown Silty Clay with Trace of Sand	CL	100%	12.0	Grab	MW-1 7.5'	BETX, MTBE
8							
9							
10							
11							Wet
12							
13			100%				
14							
15	End of boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	102.2'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW^{ITJ}M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-2
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 36' E and 54' N of SE corner of building
DATE/TIME STARTED: 10-1-14 10:15 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 11:00 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	95%	15.0	Grab	MW-2 2.5'	BETX, MTBE
4	Brown Silty Clay	CL					
8	Brown Silty Clay with Traces of Sand	CL	100%	10.0	Grab	MW-2 7.5'	BETX, MTBE
13			90%				Wet
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	101.18'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.

DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-3
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 40' N and 5' W of NE corner of building
DATE/TIME STARTED: 10-1-14 11:00 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 11:45 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	90%	25.0	Grab	MW-3 2.5'	BETX, MTBE
4	Brown Silty Clay	CL	100%	42.0	Grab	MW-3 7.5'	BETX, MTBE
13			100%				Wet
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	100.0'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247		BOREHOLE NUMBER: MW-4	
SITE NAME: Aman Food & Gas - Moline		BORING LOCATION: 10' W and 45' N of SW corner of building	
1830 5th Avenue Moline, IL 61265		RIG TYPE: Truck Mounted Drill	
DATE/TIME STARTED: 10-1-14 11:45 AM		DRILLING/SAMPLE METHOD: Hollow Stem Auger	
DATE/TIME FINISHED: 10-1-14 12:30 PM		BACKFILL: N/A - Well Set	

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Grass						
1	Top Soil						No Odor or Discoloration
2	Dark Brown Silty Clay	CL	95%	11.0	Grab	MW-4 2.5'	BETX, MTBE
3							
4							
5	Brown Silty Clay	CL	100%	16.0	Grab	MW-4 7.5'	BETX, MTBE
6							
7							
8							
9							
10							
11							Wet
12							
13							
14							
15	End of boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	101.79'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	~10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-5
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 3' W & 6' N of NE corner of building
DATE/TIME STARTED: 10-1-14 12:30 PM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 10-1-14 1:15 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Gravel Subbase	OM					Odor and Discoloration
2	Backfill Sand		90%	700	-	-	
3							
4							
5							
6							
7							
8			100%	1200.0	-	-	
9							
10							
11							Wet
12							
13							
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Well Installation; Field Screened Only

Manway / Surface Elevation:	101.75'				
Groundwater Depth While Drilling:	10'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-6
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 37' N & 2' E of NW corner of building
DATE/TIME STARTED: 4-19-16 10:30 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 4-19-16 11:15 AM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase	GP					Slight Odor/Discoloration
2	Dark Brown Silty Clay	CL	90%	14	Grab	MW-6 2.5'	BETX, MTBE
3							
4							
5	Brown Silty Clay	CL	100%	95.0	Grab	MW-6 7.5'	BETX, MTBE
6							
8							
9							
10							Wet
11							
12							
13			100%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Sampled at 2.5' & 7.5' per regs

Manway / Surface Elevation:	100.47'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth While Drilling:	9-10'	Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW: [] M COMPANY, INC.
DRILLING BOREHOLE LOG

Page 1 of 1

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-7
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 40' N & 30' E of NE corner of building
DATE/TIME STARTED: 4-19-16 11:15 AM	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 4-19-16 12:00 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Concrete						
1	Subbase	GP					No Odor or Discoloration
2	Dark Brown Silty Clay	CL	90%	0	Grab	MW-7 2.5'	
3							
4							
5							
6	Brown Silty Clay	CL	95%	0.0	Grab	MW-7 7.5'	Wet
7							
8							
9							
10							
11							
12							
13			100%				
14							
15	End of Boring 15'						

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Samples Field Screened Only

Manway / Surface Elevation:	100.60'				
Groundwater Depth While Drilling:	9-10'	Auger Depth:	15'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MDR/MJS



Illinois Environmental Protection Agency

CW²M COMPANY, INC.
DRILLING BOREHOLE LOG

INCIDENT # 2014-0247	BOREHOLE NUMBER: MW-8
SITE NAME: Aman Food & Gas - Moline 1830 5th Avenue Moline, IL 61265	BORING LOCATION: 33'W & 2' N of SW corner of apartment building
DATE/TIME STARTED: 9/3/19 12:00	RIG TYPE: Truck Mounted Drill
DATE/TIME FINISHED: 9/3/19 1:00 PM	DRILLING/SAMPLE METHOD: Hollow Stem Auger
	BACKFILL: N/A - Well Set

DEPTH (FEET)	SOIL AND ROCK DESCRIPTION	USCS CLASS	Sample Recovery	PID (ppm)	Sample Type	SAMPLE NUMBER	REMARKS: (Odor, Color, Moisture, Penetrometer, etc.)
0	Asphalt						
1	Subbase	GP					No Odor or Discoloration
2	Dark Brown Silty Clay	CL	85%	0.0			
3				0.0			
4				0.0			
5				0.0			
6	Fine-grained to coarse-grained sand	SW	80%	0.0			
7				0.0			
8				0			
9	Bedrock						
10	End of boring - 9' (drill refusal)						
11							
12							
13							
14							
15							

Stratification lines are approximate, in-situ transition between soil types may be gradual.

NOTES: Bedrock drill refusal at multiple locations - temporary well inserted into original location - no GW presence after 1 hour therefore well was abandoned and ground was returned to original grade and condition

Manway / Surface Elevation:

Groundwater Depth While Drilling:	N/A	Auger Depth:	9'	Driller:	AEDC
Groundwater Depth After Drilling:		Rotary Depth:		Installer:	MJS/JKK

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

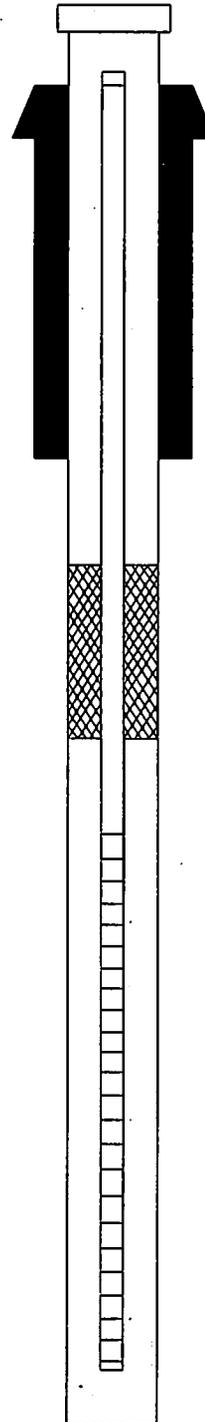
Well No. MW-1
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint			
Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 102.20 ft.
 Top of riser pipe 101.95 ft.
 Ground surface 102.20 ft.
 Top of Annular Sealant 101.70 ft.
 Casing Stickup N/A

Top of Seal 101.70 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.70 ft.
 Top of Screen 97.70 ft.

Total Screen Interval 10.0 ft.

Bottom of Screen 87.70 ft.
 Bottom of Borehole 87.20 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	91.68 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

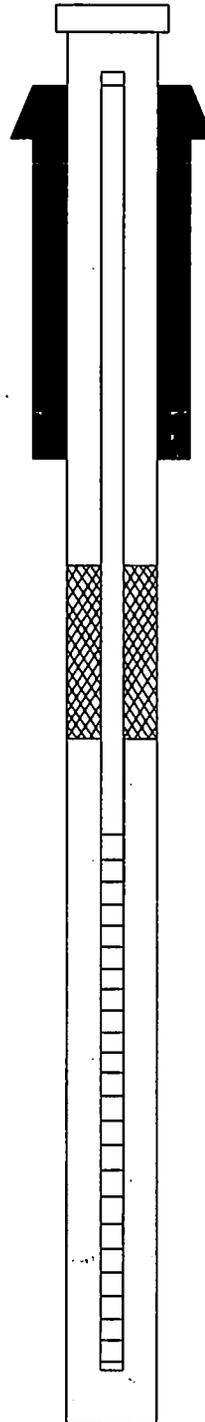
Well No. MW-2
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.18 ft.
 Top of riser pipe 100.93 ft.
 Ground surface 101.18 ft.
 Top of Annular Sealant 100.68 ft.
 Casing Stickup N/A

Top of Seal 100.68 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 97.68 ft.
 Top of Screen 96.68 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	96.07 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Total Screen Interval 10.0 ft.

Bottom of Screen 86.68 ft.
 Bottom of Borehole 86.18 ft.

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

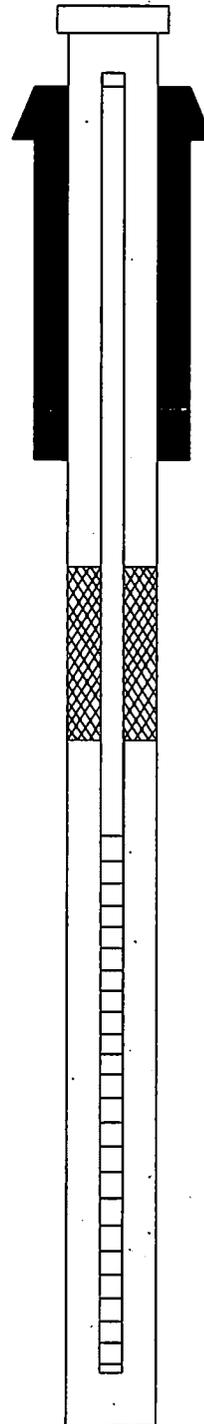
Well No. MW-3
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 100.00 ft.
 Top of riser pipe 99.75 ft.
 Ground surface 100.00 ft.
 Top of Annular Sealant 99.50 ft.
 Casing Stickup N/A

Top of Seal 99.50 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 96.50 ft.
 Top of Screen 95.50 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	90.87 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Total Screen Interval 10.0 ft.

Completed by: MJS

Bottom of Screen 85.50 ft.
 Bottom of Borehole 85.00 ft.

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

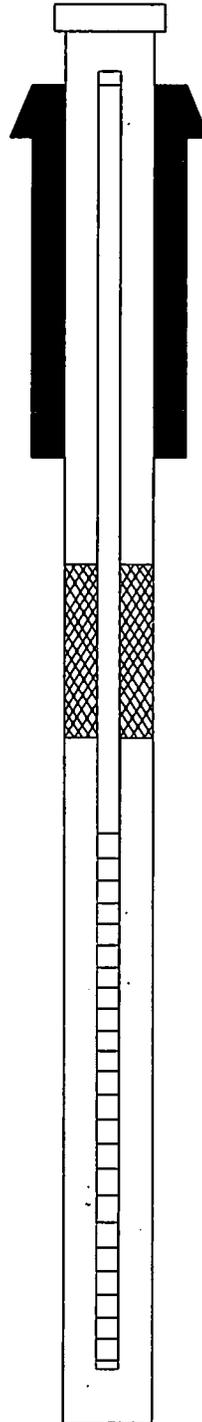
Well No. MW-4
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



101.79 ft. Top of Protective Casing
 101.54 ft. Top of riser pipe
 101.79 ft. Ground surface
 101.29 ft. Top of Annular Sealant
 N/A Casing Stickup

101.29 ft. Top of Seal
 3.00 ft. Total Seal interval
 98.29 ft. Top of Sand
 97.29 ft. Top of Screen

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	88.36 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

10.0 ft. Total Screen Interval

87.29 ft. Bottom of Screen
 86.79 ft. Bottom of Borehole

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

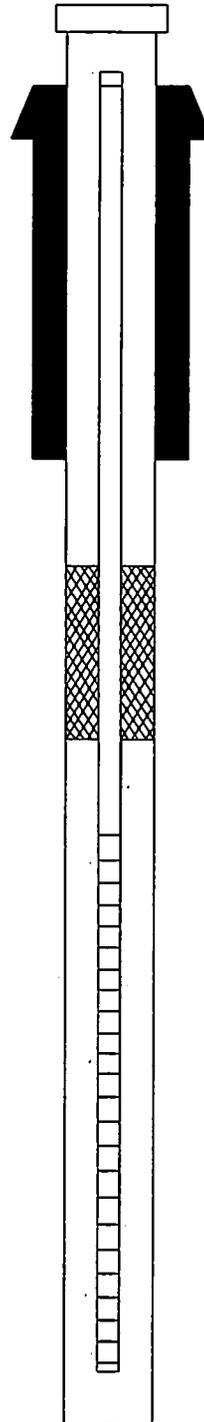
Well No. MW-5
 Date Drilled 10/1/2014
 Date Completed 10/1/2014
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



Top of Protective Casing 101.75 ft.
 Top of riser pipe 101.50 ft.
 Ground surface 101.75 ft.
 Top of Annular Sealant 101.25 ft.
 Casing Stickup N/A

Top of Seal 101.25 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 98.25 ft.
 Top of Screen 97.25 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	10' ft. while drilling
Depth to Water	93.03 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	Approximately 1 gallon
Gallons removed (purge)	Approximately 1 gallon
Other	

Total Screen Interval 10.0 ft.

Bottom of Screen 87.25 ft.
 Bottom of Borehole 86.75 ft.

Completed by: MJS

Illinois Environmental Protection Agency

LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

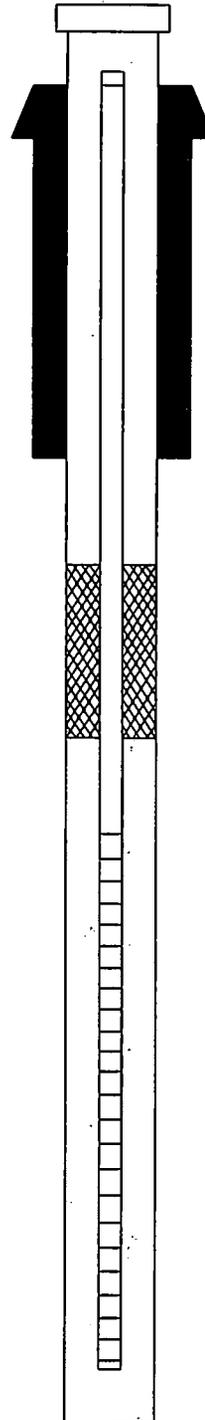
Well No. MW-6
 Date Drilled 4/19/2016
 Date Completed 4/19/2016
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel



100.47 ft. Top of Protective Casing
 100.22 ft. Top of riser pipe
 100.47 ft. Ground surface
 Top of Annular Sealant
 99.97 ft. Sealant
 N/A Casing Stickup

99.97 ft. Top of Seal
 3.00 ft. Total Seal interval
 96.97 ft. Top of Sand
 95.97 ft. Top of Screen

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	9-10' ft. while drilling
Depth to Water	93.77 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	
Gallons removed (purge)	
Other	

10.0 ft. Total Screen Interval

85.97 ft. Bottom of Screen
 Bottom of Borehole
 85.47 ft.

Completed by: MJS

Illinois Environmental Protection Agency

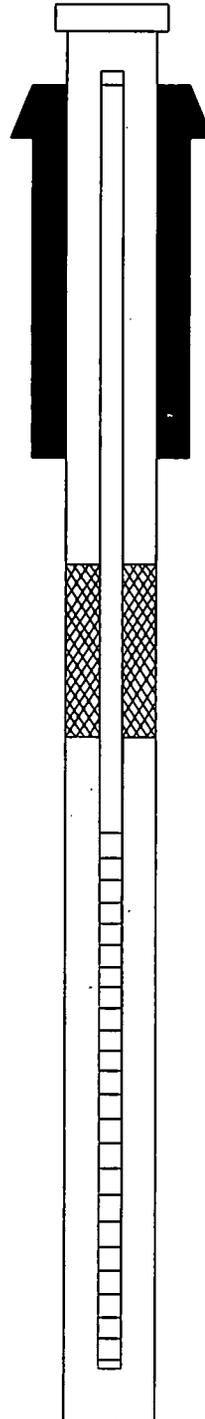
LUST Well Completion Report

Incident No. 2014-0247
 Site Name Aman Food & Gas
 Drilling Contractor AEDC
 Driller AEDC
 Drilling Method Hollow Stem Auger

Well No. MW-7
 Date Drilled 4/19/2016
 Date Completed 4/19/2016
 Geologist MDR/MJS
 Drilling Fluids N/A

Annular Space Details

Type of Surface Seal Concrete
 Type of Annular Sealant Bentonite
 Type of Bentonite High-Yield
 Type of Sand Pack Coarse 20-20



Top of Protective Casing 100.60 ft.
 Top of riser pipe 100.35 ft.
 Ground surface 100.60 ft.
 Top of Annular Sealant 100.10 ft.
 Casing Stickup N/A

Well Construction Materials

	Stainless Steel Type	PVC Specify Type	Other Specify Type
Riser Coupling Joint			
Riser Pipe Above w.t.		Sched.-40	
Riser Pipe Below w.t.			
Screen		Sched.-40	
Coupling Joint Screen to Riser		Sched.-40	
Protective Casing			Steel

Top of Seal 100.10 ft.
 Total Seal interval 3.00 ft.
 Top of Sand 97.10 ft.
 Top of Screen 96.10 ft.

Measurements

Riser Pipe Length	4.25 ft.
Screen Length	10.0 ft.
Screen Slot Size	10-slot
Protective Casing Length	N/A
Depth to Water	9-10' ft. while drilling
Depth to Water	94.55 ft. static
Free Product Thickness	N/A
Gallons removed (develop)	
Gallons removed (purge)	
Other	

Total Screen Interval 10.0 ft.

Completed by: MJS

Bottom of Screen 86.10 ft.
 Bottom of Borehole 85.60 ft.

APPENDIX D

ANALYTICAL DATA

**CORRECTIVE ACTION
COMPLETION REPORT**

**AMAN FOOD AND GAS
MOLINE, ILLINOIS**

**Aman Food Gas
Site Assessment Data**

Waste Characterization

	Location	WC-1	WC-2
	Date	3/3/2014	3/3/2014
	Depth		
Parameter	Class I CUO		
Benzene	0.03	4.08	0.12
Ethylbenzene	13.0	83.3	4.86
Toluene	12.0	84.2	3.44
Total Xylenes	5.6	466.	23.7
MTBE	5.6	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	1	2	3	4	5	6	7
	Date	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
	Depth							
Parameter	Class I CUO							
Benzene	0.03	0.561	1.4	2.2	1.63	0.14	0.463	0.151
Ethylbenzene	13.0	6.36	28.2	6.42	20.4	0.237	ND	1.3
Toluene	12.0	0.338	0.207	0.102	1.96	ND	ND	1.96
Total Xylenes	5.6	19.1	115.	8.27	93.5	0.879	0.184	7.48
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

Aman Food Gas
Soil Data

Early Action

	Location	8	9	10	11	12	13	14
	Date	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
	Depth							
Parameter	Class I CUO							
Benzene	0.03	20.3	0.28	0.0467	ND	ND	1.22	0.41
Ethylbenzene	13.0	34.7	4.73	ND	ND	ND	10.3	9.91
Toluene	12.0	133.	10.3	0.0825	ND	ND	0.156	ND
Total Xylenes	5.6	170.	26.1	0.227	ND	ND	24.2	1.7
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Early Action

	Location	15	16	17
	Date	5/5/2014	5/5/2014	5/5/2014
	Depth			
Parameter	Class I CUO			
Benzene	0.03	0.346	0.0637	ND
Ethylbenzene	13.0	8.08	0.169	ND
Toluene	12.0	3.05	0.417	ND
Total Xylenes	5.6	41.4	0.924	ND
MTBE	0.32	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 1 Soil

	Location	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4
	Date	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
	Depth	2.5	7.5	2.5	7.5	2.5	7.5	2.5
Parameter	Class I CUO							
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 1 Soil

	Location	MW-4	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
	Date	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
	Depth	7.5	2.5	7.5	2.5	7.5	2.5	7.5
Parameter	Class I CUO							
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND	ND	ND	ND

**Aman Food Gas
Site Assessment Data**

Stage 1 GW

	Location	MW-1	MW-2	MW-3	MW-4	MW-5
	Date	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
Parameter	Class I CUO					
Benzene	0.005	ND	ND	0.084	ND	ND
Ethylbenzene	0.7	ND	ND	0.054	0.034	ND
Toluene	1.0	ND	ND	0.006	0.198	ND
Total Xylenes	10.0	ND	ND	0.051	0.11	ND
MTBE	0.07	ND	ND	ND	ND	ND

**Aman Food Gas
Soil Data**

Stage 2 Soil

	Location	MW-6	MW-6	SB-4	SB-4
	Date	4/19/2016	4/19/2016	4/19/2016	4/19/2016
	Depth	2.5	7.5	2.5	7.5
Parameter	Class I CUO				
Benzene	0.03	ND	ND	ND	ND
Ethylbenzene	13.0	ND	ND	ND	ND
Toluene	12.0	ND	ND	ND	ND
Total Xylenes	5.6	ND	ND	ND	ND
MTBE	0.32	ND	ND	ND	ND

**Aman Food Gas
Site Assessment Data**

Stage 2 GW

	Location	MW-6	MW-7
	Date	4/20/2016	4/20/2016
Parameter	Class I CUO		
Benzene	0.005	0.119	ND
Ethylbenzene	0.7	2.55	ND
Toluene	1.0	0.013	ND
Total Xylenes	10.0	6.0	ND
MTBE	0.07	ND	ND

Site	Aman Food & Gas
Sample ID	TACO-1
Date	4/19/2016
FOC	0.45%
Gravel	0%
Sand	9.50%
Silt	83.30%
Clay	3.10%
Bulk Density	1.807 g/cm ³
Percent Moisture	18.00%
Specific Gravity	2.637 g/cm ³

Electronic Filing: Received Clerk's Office 04/05/2023
 Soil-Gas Vapor Results
 Aman Food and Gas

		Indoor		Outdoor		
		Under 5' Separation				
SVW-1	Result mg/m3	App B Table H Resid.	App B Table H I/C	App. B Table G Resid.	App. B Table G I/C	App. B Table G CW
Parameter		mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Benzene	ND	0.37	2.8	420	800	1,100
Ethylbenzene	0.0169	1.3	9.3	59,000	59,000	8,500
Toluene	0.0859	6,200	40,000	140,000	140,000	50,000
MTBE	ND	3,700	24,000	1,200,000	1,200,000	23,000
Total Xylenes	0.0624	140	840	49,000	49,000	2,900

Sample obtained 9/3/19



<http://www.teklabinc.com/>

September 11, 2019

Carol Rowe
CW3M Co. Inc.
701 W. South Grand Ave.
Springfield, IL 62704
TEL: (217) 522-8001
FAX: (217) 522-8009



RE: Aman Food & Gas

WorkOrder: 19090210

Dear Carol Rowe:

TEKLAB, INC received 1 sample on 9/4/2019 2:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in cursive script that reads "Marvin L. Darling II".

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Accreditations	5
Laboratory Results	6
Quality Control Results	9
Receiving Check List	29
Chain of Custody	Appended



Definitions

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

Abbr Definition

- * Analytes on report marked with an asterisk are not NELAP accredited
- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
- DNI Did not ignite
- DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

Cooler Receipt Temp: n/a °C

TO15 analysis was performed at the North Bluff Road facility in Collinsville Illinois, Agency Interest No. 166578.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
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Accreditations

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2020	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2020	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2020	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2020	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	Collinsville
Arkansas	ADEQ	88-0966		3/14/2020	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Indiana	ISDH	C-IL-06		1/31/2020	Collinsville
Kentucky	KDEP	98006		12/31/2019	Collinsville
Kentucky	UST	0073		1/31/2020	Collinsville
Louisiana	LDPH	LA016		12/31/2019	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Tennessee	TDEC	04905		1/31/2020	Collinsville



Laboratory Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

Lab ID: 19090210-001

Client Sample ID: SV-1

Matrix: AIR CANISTER

Collection Date: 09/03/2019 12:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS							
1,1,1,2-Tetrachloroethane	NELAP	0.0172		ND	mg/m3	5	09/09/2019 19:13
1,1,1-Trichloroethane	NELAP	0.0136		ND	mg/m3	5	09/09/2019 19:13
1,1,2,2-Tetrachloroethane	NELAP	0.0172		ND	mg/m3	5	09/09/2019 19:13
1,1,2-Trichloroethane	NELAP	0.0136		ND	mg/m3	5	09/09/2019 19:13
1,1,2-Trichlorotrifluoroethane	NELAP	0.0192		ND	mg/m3	5	09/09/2019 19:13
1,1-Dichloroethane	NELAP	0.0101		ND	mg/m3	5	09/09/2019 19:13
1,1-Dichloroethene	NELAP	0.0099		ND	mg/m3	5	09/09/2019 19:13
1,2,4-Trichlorobenzene	NELAP	0.0186		ND	mg/m3	5	09/09/2019 19:13
1,2,4-Trimethylbenzene	NELAP	0.0123		0.0172	mg/m3	5	09/09/2019 19:13
1,2-Dibromoethane	NELAP	0.0192		ND	mg/m3	5	09/09/2019 19:13
1,2-Dichlorobenzene	NELAP	0.0150		ND	mg/m3	5	09/09/2019 19:13
1,2-Dichloroethane	NELAP	0.0101		ND	mg/m3	5	09/09/2019 19:13
1,2-Dichloropropane	NELAP	0.0116		ND	mg/m3	5	09/09/2019 19:13
1,3,5-Trimethylbenzene	NELAP	0.0123		ND	mg/m3	5	09/09/2019 19:13
1,3-Butadiene	NELAP	0.0111		ND	mg/m3	5	09/09/2019 19:13
1,3-Dichlorobenzene	NELAP	0.0150		ND	mg/m3	5	09/09/2019 19:13
1,4-Dichlorobenzene	NELAP	0.0150		ND	mg/m3	5	09/09/2019 19:13
1,4-Dioxane	NELAP	0.0090		ND	mg/m3	5	09/09/2019 19:13
2-Butanone	NELAP	0.0147		0.202	mg/m3	5	09/09/2019 19:13
2-Chlorotoluene	NELAP	0.0129		ND	mg/m3	5	09/09/2019 19:13
2-Hexanone	NELAP	0.0102		0.0246	mg/m3	5	09/09/2019 19:13
4-Methyl-2-pentanone	NELAP	0.0102		ND	mg/m3	5	09/09/2019 19:13
Acetone	NELAP	0.0238		0.249	mg/m3	5	09/09/2019 19:13
Acetonitrile	NELAP	0.0042		ND	mg/m3	5	09/09/2019 19:13
Acrolein	NELAP	0.0057		ND	mg/m3	5	09/09/2019 19:13
Acrylonitrile	NELAP	0.0054		ND	mg/m3	5	09/09/2019 19:13
Allyl chloride	NELAP	0.0156		ND	mg/m3	5	09/09/2019 19:13
Benzene	NELAP	0.0080		ND	mg/m3	5	09/09/2019 19:13
Benzyl chloride	NELAP	0.0129		ND	mg/m3	5	09/09/2019 19:13
Bromodichloromethane	NELAP	0.0168		ND	mg/m3	5	09/09/2019 19:13
Bromoform	NELAP	0.0258		ND	mg/m3	5	09/09/2019 19:13
Bromomethane	NELAP	0.0097		ND	mg/m3	5	09/09/2019 19:13
Carbon disulfide	NELAP	0.0078		ND	mg/m3	5	09/09/2019 19:13
Carbon tetrachloride	NELAP	0.0157		ND	mg/m3	5	09/09/2019 19:13
Chlorobenzene	NELAP	0.0115		ND	mg/m3	5	09/09/2019 19:13
Chloroethane	NELAP	0.0066		ND	mg/m3	5	09/09/2019 19:13
Chloroform	NELAP	0.0122		ND	mg/m3	5	09/09/2019 19:13
Chloromethane	NELAP	0.0052		ND	mg/m3	5	09/09/2019 19:13
Chloroprene	NELAP	0.0091		ND	mg/m3	5	09/09/2019 19:13



Laboratory Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

Lab ID: 19090210-001

Client Sample ID: SV-1

Matrix: AIR CANISTER

Collection Date: 09/03/2019 12:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed
cis-1,2-Dichloroethene	NELAP	0.0099		ND	mg/m3	5	09/09/2019 19:13
cis-1,3-dichloropropene	NELAP	0.0113		ND	mg/m3	5	09/09/2019 19:13
Cyclohexane	NELAP	0.0086		ND	mg/m3	5	09/09/2019 19:13
Dibromochloromethane	NELAP	0.0213		ND	mg/m3	5	09/09/2019 19:13
Dichlorodifluoromethane	NELAP	0.0124		ND	mg/m3	5	09/09/2019 19:13
Dichlorotetrafluoroethane	NELAP	0.0175		ND	mg/m3	5	09/09/2019 19:13
Ethanol	NELAP	0.0471		0.0693	mg/m3	5	09/09/2019 19:13
Ethyl acetate	NELAP	0.0180		ND	mg/m3	5	09/09/2019 19:13
Ethylbenzene	NELAP	0.0109		0.0169	mg/m3	5	09/09/2019 19:13
Ethyl-tert-butyl ether	NELAP	0.0104		ND	mg/m3	5	09/09/2019 19:13
Hexachlorobutadiene	NELAP	0.0267		ND	mg/m3	5	09/09/2019 19:13
Isooctane	NELAP	0.0117		0.0607	mg/m3	5	09/09/2019 19:13
Isopropanol	NELAP	0.0369		0.151	mg/m3	5	09/09/2019 19:13
Isopropyl ether	NELAP	0.0104		ND	mg/m3	5	09/09/2019 19:13
Isopropylbenzene	NELAP	0.0123		ND	mg/m3	5	09/09/2019 19:13
m,p-Xylene	NELAP	0.0217		0.0452	mg/m3	5	09/09/2019 19:13
Methyl methacrylate	NELAP	0.0102		0.0139	mg/m3	5	09/09/2019 19:13
Methyl tert-butyl ether	NELAP	0.0090		ND	mg/m3	5	09/09/2019 19:13
Methylene chloride	NELAP	0.0174		ND	mg/m3	5	09/09/2019 19:13
Naphthalene	NELAP	0.0131		0.0341	mg/m3	5	09/09/2019 19:13
n-Butylbenzene	NELAP	0.0137		ND	mg/m3	5	09/09/2019 19:13
n-Heptane	NELAP	0.0102		0.0281	mg/m3	5	09/09/2019 19:13
n-Hexane	NELAP	0.0088		ND	mg/m3	5	09/09/2019 19:13
n-Propylbenzene	NELAP	0.0123		ND	mg/m3	5	09/09/2019 19:13
o-Cymene	NELAP	0.0137		ND	mg/m3	5	09/09/2019 19:13
o-Xylene	NELAP	0.0109		0.0172	mg/m3	5	09/09/2019 19:13
p-Ethyltoluene	NELAP	0.0123		ND	mg/m3	5	09/09/2019 19:13
Propylene	NELAP	0.0043		0.0044	mg/m3	5	09/09/2019 19:13
sec-Butylbenzene	NELAP	0.0137		ND	mg/m3	5	09/09/2019 19:13
Styrene	NELAP	0.0106		ND	mg/m3	5	09/09/2019 19:13
tert-Amyl Methyl Ether	NELAP	0.0104		ND	mg/m3	5	09/09/2019 19:13
tert-Butyl alcohol	NELAP	0.0076		0.222	mg/m3	5	09/09/2019 19:13
tert-Butylbenzene	NELAP	0.0137		ND	mg/m3	5	09/09/2019 19:13
Tetrachloroethene	NELAP	0.0170		0.0478	mg/m3	5	09/09/2019 19:13
Tetrahydrofuran	NELAP	0.0074		0.0100	mg/m3	5	09/09/2019 19:13
Toluene	NELAP	0.0094		0.0859	mg/m3	5	09/09/2019 19:13
trans-1,2-Dichloroethene	NELAP	0.0099		ND	mg/m3	5	09/09/2019 19:13
trans-1,3-dichloropropene	NELAP	0.0113		ND	mg/m3	5	09/09/2019 19:13
Trichloroethene	NELAP	0.0134		ND	mg/m3	5	09/09/2019 19:13
Trichlorofluoromethane	NELAP	0.0140		ND	mg/m3	5	09/09/2019 19:13



Laboratory Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

Lab ID: 19090210-001

Client Sample ID: SV-1

Matrix: AIR CANISTER

Collection Date: 09/03/2019 12:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed
Vinyl acetate	NELAP	0.0088		ND	mg/m3	5	09/09/2019 19:13
Vinyl bromide	NELAP	0.0109		ND	mg/m3	5	09/09/2019 19:13
Vinyl chloride	NELAP	0.0064		ND	mg/m3	5	09/09/2019 19:13
Surr: 4-Bromofluorobenzene	*	46.9-145		89.3	%REC	5	09/09/2019 19:13

Elevated reporting limit due to high levels of target and/or non-target analytes.

CCV recovered outside the upper control limits for 1,2,4-Trichlorobenzene. Sample results are below the reporting limit. Data is reportable per the TNI standard.



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

 Batch 157050 SampType: MBLK Units ppbv
 SampID: MBLK-AG190906-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	0.50		ND						09/06/2019
1,1,1-Trichloroethane	0.50		ND						09/06/2019
1,1,2,2-Tetrachloroethane	0.50		ND						09/06/2019
1,1,2-Trichloroethane	0.50		ND						09/06/2019
1,1,2-Trichlorotrifluoroethane	0.50		ND						09/06/2019
1,1-Dichloroethane	0.50		ND						09/06/2019
1,1-Dichloroethene	0.50		ND						09/06/2019
1,2,4-Trichlorobenzene	0.50		ND						09/06/2019
1,2,4-Trimethylbenzene	0.50		ND						09/06/2019
1,2-Dibromoethane	0.50		ND						09/06/2019
1,2-Dichlorobenzene	0.50		ND						09/06/2019
1,2-Dichloroethane	0.50		ND						09/06/2019
1,2-Dichloropropane	0.50		ND						09/06/2019
1,3,5-Trimethylbenzene	0.50		ND						09/06/2019
1,3-Butadiene	1.00		ND						09/06/2019
1,3-Butadiene	1.00		ND						09/06/2019
1,3-Dichlorobenzene	0.50		ND						09/06/2019
1,4-Dichlorobenzene	0.50		ND						09/06/2019
1,4-Dioxane	0.50		ND						09/06/2019
2-Butanone	1.00		ND						09/06/2019
2-Chlorotoluene	0.50		ND						09/06/2019
2-Hexanone	0.50		ND						09/06/2019
4-Methyl-2-pentanone	0.50		ND						09/06/2019
Acetone	2.00		ND						09/06/2019
Acetonitrile	0.50		ND						09/06/2019
Acrolein	0.50		ND						09/06/2019
Acrylonitrile	0.50		ND						09/06/2019
Allyl chloride	1.00		ND						09/06/2019
Benzene	0.50		ND						09/06/2019
Benzene	0.50		ND						09/06/2019
Benzyl chloride	0.50		ND						09/06/2019
Bromodichloromethane	0.50		ND						09/06/2019
Bromoform	0.50		ND						09/06/2019
Bromomethane	0.50		ND						09/06/2019
Carbon disulfide	0.50		ND						09/06/2019
Carbon tetrachloride	0.50		ND						09/06/2019
Chlorobenzene	0.50		ND						09/06/2019
Chloroethane	0.50		ND						09/06/2019
Chloroform	0.50		ND						09/06/2019
Chloromethane	0.50		ND						09/06/2019
Chloroprene	0.50		ND						09/06/2019
Chloroprene	0.50		ND						09/06/2019
1,2-Dichloroethene	0.50		ND						09/06/2019
1,3-dichloropropene	0.50		ND						09/06/2019
Cyclohexane	0.50		ND						09/06/2019
Dibromochloromethane	0.50		ND						09/06/2019
Dichlorodifluoromethane	0.50		ND						09/06/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157050 SampType: MBLK Units ppbv
 SampID: MBLK-AG190906-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dichlorotetrafluoroethane	0.50		ND						09/06/2019
Ethanol	5.00		ND						09/06/2019
Ethyl acetate	1.00		ND						09/06/2019
Ethylbenzene	0.50		ND						09/06/2019
Ethylbenzene	0.50		ND						09/06/2019
Ethyl-tert-butyl ether	0.50		ND						09/06/2019
Hexachlorobutadiene	0.50		ND						09/06/2019
Isooctane	0.50		ND						09/06/2019
Isopropanol	3.00		ND						09/06/2019
Isopropyl ether	0.50		ND						09/06/2019
Isopropylbenzene	0.50		ND						09/06/2019
m,p-Xylene	1.00		ND						09/06/2019
m,p-Xylene	1.00		ND						09/06/2019
Methyl methacrylate	0.50		ND						09/06/2019
Methyl tert-butyl ether	0.50		ND						09/06/2019
Methylene chloride	1.00		ND						09/06/2019
Naphthalene	2.50		ND						09/06/2019
n-Butylbenzene	0.50		ND						09/06/2019
n-Heptane	0.50		ND						09/06/2019
n-Hexane	0.50		ND						09/06/2019
n-Propylbenzene	0.50		ND						09/06/2019
o-Cymene	0.50		ND						09/06/2019
o-Xylene	0.50		ND						09/06/2019
o-Xylene	0.50		ND						09/06/2019
p-Ethyltoluene	0.50		ND						09/06/2019
Propylene	0.50		ND						09/06/2019
sec-Butylbenzene	0.50		ND						09/06/2019
Styrene	0.50		ND						09/06/2019
tert-Amyl Methyl Ether	0.50		ND						09/06/2019
tert-Butyl alcohol	0.50		ND						09/06/2019
tert-Butylbenzene	0.50		ND						09/06/2019
Tetrachloroethene	0.50		ND						09/06/2019
Tetrahydrofuran	0.50		ND						09/06/2019
Toluene	0.50		ND						09/06/2019
Toluene	0.50		ND						09/06/2019
trans-1,2-Dichloroethene	0.50		ND						09/06/2019
trans-1,3-dichloropropene	0.50		ND						09/06/2019
Trichloroethene	0.50		ND						09/06/2019
Trichlorofluoromethane	0.50		ND						09/06/2019
Vinyl acetate	0.50		ND						09/06/2019
Vinyl bromide	0.50		ND						09/06/2019
Vinyl chloride	0.50		ND						09/06/2019
Surr: 4-Bromofluorobenzene			8.10	10.00		81.0	46.9	145	09/06/2019
Surr: 4-Bromofluorobenzene			8.10	10.00		81.0	46.9	145	09/06/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157050 SampType: LCS

Units ppbv

SampID: LCS-AG190906-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	0.50		11.5	10.70	0	107.5	59.5	153	09/06/2019
1,1,1-Trichloroethane	0.50		10.8	10.90	0	98.8	51.4	141	09/06/2019
1,1,2,2-Tetrachloroethane	0.50		10.1	10.00	0	101.1	57.6	163	09/06/2019
1,1,2-Trichloroethane	0.50		11.1	10.80	0	103.1	60.1	159	09/06/2019
1,1,2-Trichlorotrifluoroethane	0.50		11.0	11.00	0	100.4	56	145	09/06/2019
1,1-Dichloroethane	0.50		9.93	10.10	0	98.3	51.6	150	09/06/2019
1,1-Dichloroethene	0.50		10.9	10.90	0	99.9	48.5	139	09/06/2019
1,2,4-Trichlorobenzene	0.50		9.90	9.500	0	104.2	33	262	09/06/2019
1,2,4-Trimethylbenzene	0.50		9.77	9.800	0	99.7	62.7	174	09/06/2019
1,2-Dibromoethane	0.50		10.7	10.70	0	100.0	61.6	160	09/06/2019
1,2-Dichlorobenzene	0.50		10.6	9.800	0	107.7	59.8	169	09/06/2019
1,2-Dichloroethane	0.50		10.0	10.40	0	96.3	52	149	09/06/2019
1,2-Dichloropropane	0.50		10.5	10.50	0	100.0	53.2	155	09/06/2019
1,3,5-Trimethylbenzene	0.50		9.51	9.900	0	96.1	64.6	176	09/06/2019
1,3-Butadiene	1.00		9.04	10.30	0	87.8	58.6	131	09/06/2019
1,3-Dichlorobenzene	0.50		10.3	10.10	0	101.9	59.7	167	09/06/2019
1,4-Dichlorobenzene	0.50		10.0	9.900	0	101.0	58.8	165	09/06/2019
1,4-Dioxane	0.50		11.5	10.50	0	109.7	57.4	160	09/06/2019
2-Butanone	1.00		10.3	10.60	0	97.5	41.7	159	09/06/2019
2-Chlorotoluene	0.50		11.1	10.60	0	104.8	57.4	155	09/06/2019
2-Hexanone	0.50		10.8	10.30	0	104.6	49	159	09/06/2019
4-Methyl-2-pentanone	0.50		10.0	10.20	0	98.5	42.4	152	09/06/2019
Acetone	2.00		10.2	10.50	0	97.0	42.1	163	09/06/2019
Acetonitrile	0.50		11.1	10.70	0	103.8	37.6	155	09/06/2019
Acrolein	0.50		10.8	11.00	0	98.6	-3.95	289	09/06/2019
Acrylonitrile	0.50		11.1	11.00	0	101.1	47.1	153	09/06/2019
Allyl chloride	1.00		10.1	10.80	0	93.5	39.4	135	09/06/2019
Benzene	0.50		11.0	10.70	0	102.7	83	125	09/06/2019
Benzyl chloride	0.50		11.0	10.50	0	104.5	49.9	145	09/06/2019
Bromodichloromethane	0.50		10.8	10.50	0	102.9	54.1	144	09/06/2019
Bromoform	0.50		12.0	10.50	0	114.6	57.6	154	09/06/2019
Bromomethane	0.50		10.2	10.40	0	98.6	48.1	147	09/06/2019
Carbon disulfide	0.50		10.7	10.40	0	102.7	48.5	133	09/06/2019
Carbon tetrachloride	0.50		10.5	10.30	0	102.0	54.7	142	09/06/2019
Chlorobenzene	0.50		10.8	10.30	0	104.7	62.1	163	09/06/2019
Chloroethane	0.50		11.4	10.40	0	109.8	47.3	146	09/06/2019
Chloroform	0.50		10.6	10.70	0	99.4	52.9	143	09/06/2019
Chloromethane	0.50		9.36	9.800	0	95.5	40.2	143	09/06/2019
Chloroprene	0.50		10.5	10.80	0	97.6	69.3	126	09/06/2019
cis-1,2-Dichloroethene	0.50		11.1	10.60	0	105.0	56.6	145	09/06/2019
cis-1,3-dichloropropene	0.50		11.2	10.90	0	102.4	57.2	162	09/06/2019
Cyclohexane	0.50		11.1	10.70	0	103.5	49.7	146	09/06/2019
Dibromochloromethane	0.50		11.4	10.40	0	109.9	58.3	152	09/06/2019
Dichlorodifluoromethane	0.50		9.79	9.700	0	100.9	55.4	149	09/06/2019
Dichlorotetrafluoroethane	0.50		9.03	9.400	0	96.1	53.7	155	09/06/2019
Ethanol	5.00		11.2	9.400	0	118.6	27.7	186	09/06/2019
Ethyl acetate	1.00		10.9	10.50	0	103.6	49.6	163	09/06/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157050 SampType: LCS Units ppbv
SampID: LCS-AG190906-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	0.50		10.6	10.20	0	104.4	85.9	143	09/06/2019
Ethyl-tert-butyl ether	0.50		10.6	10.50	0	101.2	50.5	159	09/06/2019
Hexachlorobutadiene	0.50		11.0	9.800	0	112.0	46	208	09/06/2019
Isooctane	0.50		10.5	10.50	0	99.8	49.5	147	09/06/2019
Isopropanol	3.00		9.67	10.90	0	88.7	32.8	147	09/06/2019
Isopropyl ether	0.50		9.80	10.80	0	90.7	44.4	166	09/06/2019
Isopropylbenzene	0.50		11.0	10.50	0	104.8	58.4	156	09/06/2019
m,p-Xylene	1.00		20.7	20.20	0	102.5	88.5	141	09/06/2019
Methyl methacrylate	0.50		10.4	9.900	0	105.1	45.7	167	09/06/2019
Methyl tert-butyl ether	0.50		10.9	10.50	0	103.4	52.1	152	09/06/2019
Methylene chloride	1.00		9.88	10.60	0	93.2	45.6	147	09/06/2019
Naphthalene	2.50		9.80	9.600	0	102.1	40.8	341	09/06/2019
n-Butylbenzene	0.50		11.5	10.70	0	107.1	53.9	153	09/06/2019
n-Heptane	0.50		10.4	10.50	0	99.5	43.4	149	09/06/2019
n-Hexane	0.50		10.7	10.50	0	101.5	48.1	146	09/06/2019
n-Propylbenzene	0.50		10.7	10.40	0	103.0	56.8	156	09/06/2019
o-Cymene	0.50		11.3	10.50	0	107.5	55.6	151	09/06/2019
m-Xylene	0.50		10.2	10.00	0	102.2	88.7	142	09/06/2019
p-Ethyltoluene	0.50		10.9	10.40	0	104.8	55.1	146	09/06/2019
Propylene	0.50		9.75	10.00	0	97.5	40.4	143	09/06/2019
sec-Butylbenzene	0.50		11.1	10.60	0	105.0	57.1	153	09/06/2019
Styrene	0.50		10.3	10.10	0	102.4	61.4	165	09/06/2019
tert-Amyl Methyl Ether	0.50		11.0	10.30	0	107.1	53.7	151	09/06/2019
tert-Butyl alcohol	0.50		10.4	9.900	0	104.8	47.8	144	09/06/2019
tert-Butylbenzene	0.50		11.0	10.60	0	104.1	58.2	156	09/06/2019
Tetrachloroethene	0.50		11.4	10.50	0	108.8	63.3	160	09/06/2019
Tetrahydrofuran	0.50		9.70	9.900	0	98.0	42.9	166	09/06/2019
Toluene	0.50		11.0	10.60	0	104.2	87.4	133	09/06/2019
trans-1,2-Dichloroethene	0.50		10.4	10.20	0	102.5	45.7	129	09/06/2019
trans-1,3-dichloropropene	0.50		6.55	9.600	0	68.2	47.9	210	09/06/2019
Trichloroethene	0.50		11.6	10.80	0	107.7	59.1	148	09/06/2019
Trichlorofluoromethane	0.50		9.34	9.300	0	100.4	59.9	166	09/06/2019
Vinyl acetate	0.50		10.8	11.00	0	98.2	38.4	132	09/06/2019
Vinyl bromide	0.50		11.4	10.60	0	107.9	53.2	137	09/06/2019
Vinyl chloride	0.50		9.37	10.40	0	90.1	44.7	146	09/06/2019
Surr: 4-Bromofluorobenzene			10.3	10.00		103.1	46.9	145	09/06/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157050	SampType: LCSD	Units ppbv					RPD Limit 30		Date
SampID: LCSD-AG190906-1									Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
1,1,1,2-Tetrachloroethane	0.50		11.4	10.70	0	107.0	11.50	0.44	09/06/2019
1,1,1-Trichloroethane	0.50		10.8	10.90	0	99.1	10.77	0.28	09/06/2019
1,1,2,2-Tetrachloroethane	0.50		10.1	10.00	0	100.7	10.11	0.40	09/06/2019
1,1,2-Trichloroethane	0.50		11.2	10.80	0	103.5	11.13	0.45	09/06/2019
1,1,2-Trichlorotrifluoroethane	0.50		11.1	11.00	0	101.1	11.04	0.72	09/06/2019
1,1-Dichloroethane	0.50		9.99	10.10	0	98.9	9.930	0.60	09/06/2019
1,1-Dichloroethene	0.50		11.0	10.90	0	100.8	10.89	0.91	09/06/2019
1,2,4-Trichlorobenzene	0.50		9.81	9.500	0	103.3	9.900	0.91	09/06/2019
1,2,4-Trimethylbenzene	0.50		9.70	9.800	0	99.0	9.770	0.72	09/06/2019
1,2-Dibromoethane	0.50		10.8	10.70	0	100.7	10.70	0.74	09/06/2019
1,2-Dichlorobenzene	0.50		10.4	9.800	0	106.6	10.55	0.95	09/06/2019
1,2-Dichloroethane	0.50		10.1	10.40	0	96.8	10.01	0.60	09/06/2019
1,2-Dichloropropane	0.50		10.4	10.50	0	99.4	10.50	0.57	09/06/2019
1,3,5-Trimethylbenzene	0.50		9.48	9.900	0	95.8	9.510	0.32	09/06/2019
1,3-Butadiene	1.00		9.05	10.30	0	87.9	9.040	0.11	09/06/2019
1,3-Dichlorobenzene	0.50		10.3	10.10	0	101.6	10.29	0.29	09/06/2019
1,4-Dichlorobenzene	0.50		9.94	9.900	0	100.4	10.00	0.60	09/06/2019
1,4-Dioxane	0.50		11.5	10.50	0	109.3	11.52	0.35	09/06/2019
2-Butanone	1.00		10.4	10.60	0	98.3	10.33	0.87	09/06/2019
2-Chlorotoluene	0.50		11.1	10.60	0	104.6	11.11	0.18	09/06/2019
2-Hexanone	0.50		10.8	10.30	0	105.0	10.77	0.37	09/06/2019
4-Methyl-2-pentanone	0.50		10.1	10.20	0	99.0	10.05	0.50	09/06/2019
Acetone	2.00		10.2	10.50	0	96.9	10.19	0.20	09/06/2019
Acetonitrile	0.50		11.0	10.70	0	102.8	11.11	1.00	09/06/2019
Acrolein	0.50		10.8	11.00	0	98.3	10.85	0.37	09/06/2019
Acrylonitrile	0.50		11.1	11.00	0	101.1	11.12	0.00	09/06/2019
Allyl chloride	1.00		10.2	10.80	0	94.3	10.10	0.79	09/06/2019
Benzene	0.50		11.1	10.70	0	103.6	10.99	0.82	09/06/2019
Benzyl chloride	0.50		11.0	10.50	0	105.1	10.97	0.64	09/06/2019
Bromodichloromethane	0.50		10.8	10.50	0	103.0	10.80	0.09	09/06/2019
Bromoform	0.50		12.0	10.50	0	114.1	12.03	0.42	09/06/2019
Bromomethane	0.50		11.0	10.40	0	106.1	10.25	7.33	09/06/2019
Carbon disulfide	0.50		10.7	10.40	0	103.0	10.68	0.28	09/06/2019
Carbon tetrachloride	0.50		10.6	10.30	0	102.8	10.51	0.76	09/06/2019
Chlorobenzene	0.50		10.8	10.30	0	105.0	10.78	0.37	09/06/2019
Chloroethane	0.50		11.3	10.40	0	109.0	11.42	0.70	09/06/2019
Chloroform	0.50		10.6	10.70	0	99.5	10.64	0.09	09/06/2019
Chloromethane	0.50		9.26	9.800	0	94.5	9.360	1.07	09/06/2019
Chloroprene	0.50		10.6	10.80	0	98.4	10.54	0.85	09/06/2019
cis-1,2-Dichloroethene	0.50		11.1	10.60	0	105.0	11.13	0.00	09/06/2019
cis-1,3-dichloropropene	0.50		11.3	10.90	0	103.5	11.16	1.07	09/06/2019
Cyclohexane	0.50		11.1	10.70	0	103.6	11.07	0.18	09/06/2019
Dibromochloromethane	0.50		11.5	10.40	0	110.4	11.43	0.44	09/06/2019
Dichlorodifluoromethane	0.50		9.74	9.700	0	100.4	9.790	0.51	09/06/2019
Dichlorotetrafluoroethane	0.50		8.99	9.400	0	95.6	9.030	0.44	09/06/2019
Ethanol	5.00		11.0	9.400	0	117.4	11.15	0.99	09/06/2019
Ethyl acetate	1.00		10.8	10.50	0	102.6	10.88	1.02	09/06/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157050	SampType: LCSD	Units ppbv	RPD Limit 30							
SampID: LCSD-AG190906-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Ethylbenzene	0.50		10.6	10.20	0	104.4	10.65	0.00	09/06/2019	
Ethyl-tert-butyl ether	0.50		10.8	10.50	0	102.5	10.63	1.22	09/06/2019	
Hexachlorobutadiene	0.50		11.0	9.800	0	111.7	10.98	0.27	09/06/2019	
Isooctane	0.50		10.6	10.50	0	101.0	10.48	1.14	09/06/2019	
Isopropanol	3.00		9.75	10.90	0	89.4	9.670	0.82	09/06/2019	
Isopropyl ether	0.50		9.85	10.80	0	91.2	9.800	0.51	09/06/2019	
Isopropylbenzene	0.50		11.0	10.50	0	104.3	11.00	0.46	09/06/2019	
m,p-Xylene	1.00		20.8	20.20	0	102.9	20.70	0.39	09/06/2019	
Methyl methacrylate	0.50		10.5	9.900	0	106.2	10.40	1.05	09/06/2019	
Methyl tert-butyl ether	0.50		11.0	10.50	0	104.6	10.86	1.10	09/06/2019	
Methylene chloride	1.00		9.92	10.60	0	93.6	9.880	0.40	09/06/2019	
Naphthalene	2.50		9.68	9.600	0	100.8	9.800	1.23	09/06/2019	
n-Butylbenzene	0.50		11.4	10.70	0	106.1	11.46	0.96	09/06/2019	
n-Heptane	0.50		10.5	10.50	0	100.2	10.45	0.67	09/06/2019	
n-Hexane	0.50		10.7	10.50	0	101.9	10.66	0.37	09/06/2019	
n-Propylbenzene	0.50		10.7	10.40	0	103.1	10.71	0.09	09/06/2019	
o-Cymene	0.50		11.2	10.50	0	107.0	11.29	0.44	09/06/2019	
m-Xylene	0.50		10.2	10.00	0	101.8	10.22	0.39	09/06/2019	
p-Ethyltoluene	0.50		10.9	10.40	0	104.7	10.90	0.09	09/06/2019	
Propylene	0.50		9.78	10.00	0	97.8	9.750	0.31	09/06/2019	
sec-Butylbenzene	0.50		11.0	10.60	0	104.0	11.13	0.99	09/06/2019	
Styrene	0.50		10.3	10.10	0	102.3	10.34	0.10	09/06/2019	
tert-Amyl Methyl Ether	0.50		11.1	10.30	0	108.2	11.03	0.99	09/06/2019	
tert-Butyl alcohol	0.50		10.5	9.900	0	106.0	10.38	1.05	09/06/2019	
tert-Butylbenzene	0.50		11.0	10.60	0	103.3	11.03	0.73	09/06/2019	
Tetrachloroethene	0.50		11.4	10.50	0	109.0	11.42	0.26	09/06/2019	
Tetrahydrofuran	0.50		9.76	9.900	0	98.6	9.700	0.62	09/06/2019	
Toluene	0.50		11.1	10.60	0	104.9	11.05	0.63	09/06/2019	
trans-1,2-Dichloroethene	0.50		10.5	10.20	0	102.5	10.45	0.10	09/06/2019	
trans-1,3-dichloropropene	0.50		6.66	9.600	0	69.4	6.550	1.67	09/06/2019	
Trichloroethene	0.50		11.6	10.80	0	107.7	11.63	0.00	09/06/2019	
Trichlorofluoromethane	0.50		9.43	9.300	0	101.4	9.340	0.96	09/06/2019	
Vinyl acetate	0.50		11.0	11.00	0	100.1	10.80	1.93	09/06/2019	
Vinyl bromide	0.50		11.4	10.60	0	108.0	11.44	0.09	09/06/2019	
Vinyl chloride	0.50		9.23	10.40	0	88.8	9.370	1.51	09/06/2019	
Surr: 4-Bromofluorobenzene			10.2	10.00		102.5			09/06/2019	



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157050 SampType: LCS1 Units ppbv
 SampID: LCS-AG190906-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,3-Butadiene	1.00		9.04	10.40	0	86.9	55.3	141	09/06/2019
Benzene	0.50		11.0	10.70	0	102.7	79.9	125	09/06/2019
Chloroprene	0.50		10.5	10.80	0	97.6	84.4	140	09/06/2019
Ethylbenzene	0.50		10.6	10.20	0	104.4	92	134	09/06/2019
m,p-Xylene	1.00		20.7	20.20	0	102.5	87.6	127	09/06/2019
o-Xylene	0.50		10.2	10.00	0	102.2	89.1	137	09/06/2019
Toluene	0.50		11.0	10.60	0	104.2	86.8	129	09/06/2019
Surr: 4-Bromofluorobenzene			10.3	10.00		103.1	46.9	145	09/06/2019

Batch 157050 SampType: LCS1D Units ppbv
 SampID: LCSD-AG190906-1

RPD Limit 30

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,3-Butadiene	1.00		9.05	10.40	0	87.0	9.040	0.11	09/06/2019
Benzene	0.50		11.1	10.70	0	103.6	10.99	0.82	09/06/2019
Chloroprene	0.50		10.6	10.80	0	98.4	10.54	0.85	09/06/2019
Ethylbenzene	0.50		10.6	10.20	0	104.4	10.65	0.00	09/06/2019
m,p-Xylene	1.00		20.8	20.20	0	102.9	20.70	0.39	09/06/2019
o-Xylene	0.50		10.2	10.00	0	101.8	10.22	0.39	09/06/2019
Toluene	0.50		11.1	10.60	0	104.9	11.05	0.63	09/06/2019
Surr: 4-Bromofluorobenzene			10.2	10.00		102.5			09/06/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

 Batch 157063 SampType: MBLK Units ppbv
 SampID: MBLK-AG190907-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	0.50		ND						09/07/2019
1,1,1-Trichloroethane	0.50		ND						09/07/2019
1,1,2,2-Tetrachloroethane	0.50		ND						09/07/2019
1,1,2-Trichloroethane	0.50		ND						09/07/2019
1,1,2-Trichlorotrifluoroethane	0.50		ND						09/07/2019
1,1-Dichloroethane	0.50		ND						09/07/2019
1,1-Dichloroethene	0.50		ND						09/07/2019
1,2,4-Trichlorobenzene	0.50		ND						09/07/2019
1,2,4-Trimethylbenzene	0.50		ND						09/07/2019
1,2-Dibromoethane	0.50		ND						09/07/2019
1,2-Dichlorobenzene	0.50		ND						09/07/2019
1,2-Dichloroethane	0.50		ND						09/07/2019
1,2-Dichloropropane	0.50		ND						09/07/2019
1,3,5-Trimethylbenzene	0.50		ND						09/07/2019
1,3-Butadiene	1.00		ND						09/07/2019
1,3-Butadiene	1.00		ND						09/07/2019
1,3-Dichlorobenzene	0.50		ND						09/07/2019
1,4-Dichlorobenzene	0.50		ND						09/07/2019
1,4-Dioxane	0.50		ND						09/07/2019
2-Butanone	1.00		ND						09/07/2019
2-Chlorotoluene	0.50		ND						09/07/2019
2-Hexanone	0.50		ND						09/07/2019
4-Methyl-2-pentanone	0.50		ND						09/07/2019
Acetone	2.00		ND						09/07/2019
Acetonitrile	0.50		ND						09/07/2019
Acrolein	0.50		ND						09/07/2019
Acrylonitrile	0.50		ND						09/07/2019
Allyl chloride	1.00		ND						09/07/2019
Benzene	0.50		ND						09/07/2019
Benzene	0.50		ND						09/07/2019
Benzyl chloride	0.50		ND						09/07/2019
Bromodichloromethane	0.50		ND						09/07/2019
Bromoform	0.50		ND						09/07/2019
Bromomethane	0.50		ND						09/07/2019
Carbon disulfide	0.50		ND						09/07/2019
Carbon tetrachloride	0.50		ND						09/07/2019
Chlorobenzene	0.50		ND						09/07/2019
Chloroethane	0.50		ND						09/07/2019
Chloroform	0.50		ND						09/07/2019
Chloromethane	0.50		ND						09/07/2019
Chloroprene	0.50		ND						09/07/2019
Chloroprene	0.50		ND						09/07/2019
cis-1,2-Dichloroethene	0.50		ND						09/07/2019
cis-1,3-dichloropropene	0.50		ND						09/07/2019
Cyclohexane	0.50		ND						09/07/2019
Dibromochloromethane	0.50		ND						09/07/2019
Dichlorodifluoromethane	0.50		ND						09/07/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157063 SampType: MBLK Units ppbv
 SampleID: MBLK-AG190907-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dichlorotetrafluoroethane	0.50		ND						09/07/2019
Ethanol	5.00		ND						09/07/2019
Ethyl acetate	1.00		ND						09/07/2019
Ethylbenzene	0.50		ND						09/07/2019
Ethylbenzene	0.50		ND						09/07/2019
Ethyl-tert-butyl ether	0.50		ND						09/07/2019
Hexachlorobutadiene	0.50		ND						09/07/2019
Isooctane	0.50		ND						09/07/2019
Isopropanol	3.00		ND						09/07/2019
Isopropyl ether	0.50		ND						09/07/2019
Isopropylbenzene	0.50		ND						09/07/2019
m,p-Xylene	1.00		ND						09/07/2019
m,p-Xylene	1.00		ND						09/07/2019
Methyl methacrylate	0.50		ND						09/07/2019
Methyl tert-butyl ether	0.50		ND						09/07/2019
Methylene chloride	1.00		ND						09/07/2019
Naphthalene	2.50		ND						09/07/2019
n-Butylbenzene	0.50		ND						09/07/2019
n-Heptane	0.50		ND						09/07/2019
n-Hexane	0.50		ND						09/07/2019
n-Propylbenzene	0.50		ND						09/07/2019
o-Cymene	0.50		ND						09/07/2019
o-Xylene	0.50		ND						09/07/2019
o-Xylene	0.50		ND						09/07/2019
p-Ethyltoluene	0.50		ND						09/07/2019
Propylene	0.50		ND						09/07/2019
sec-Butylbenzene	0.50		ND						09/07/2019
Styrene	0.50		ND						09/07/2019
tert-Amyl Methyl Ether	0.50		ND						09/07/2019
tert-Butyl alcohol	0.50		ND						09/07/2019
tert-Butylbenzene	0.50		ND						09/07/2019
Tetrachloroethene	0.50		ND						09/07/2019
Tetrahydrofuran	0.50		ND						09/07/2019
Toluene	0.50		ND						09/07/2019
Toluene	0.50		ND						09/07/2019
trans-1,2-Dichloroethene	0.50		ND						09/07/2019
trans-1,3-dichloropropene	0.50		ND						09/07/2019
Trichloroethene	0.50		ND						09/07/2019
Trichlorofluoromethane	0.50		ND						09/07/2019
Vinyl acetate	0.50		ND						09/07/2019
Vinyl bromide	0.50		ND						09/07/2019
Vinyl chloride	0.50		ND						09/07/2019
Surr: 4-Bromofluorobenzene			7.50	10.00		75.0	46.9	145	09/07/2019
Surr: 4-Bromofluorobenzene			7.38	10.00		73.8	46.9	145	09/07/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157063 SampType: LCS Units ppbv
SampID: LCS-AG190907-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	0.50		11.7	10.70	0	109.3	59.5	153	09/07/2019
1,1,1-Trichloroethane	0.50		10.9	10.90	0	100.3	51.4	141	09/07/2019
1,1,2,2-Tetrachloroethane	0.50		10.4	10.00	0	104.0	57.6	163	09/07/2019
1,1,2-Trichloroethane	0.50		11.4	10.80	0	105.1	60.1	159	09/07/2019
1,1,2-Trichlorotrifluoroethane	0.50		11.4	11.00	0	103.3	56	145	09/07/2019
1,1-Dichloroethane	0.50		10.3	10.10	0	102.4	51.6	150	09/07/2019
1,1-Dichloroethene	0.50		11.4	10.90	0	104.2	48.5	139	09/07/2019
1,2,4-Trichlorobenzene	0.50		10.3	9.500	0	108.2	33	262	09/07/2019
1,2,4-Trimethylbenzene	0.50		11.0	9.800	0	112.0	62.7	174	09/07/2019
1,2-Dibromoethane	0.50		10.9	10.70	0	102.1	61.6	160	09/07/2019
1,2-Dichlorobenzene	0.50		11.4	9.800	0	116.8	59.8	169	09/07/2019
1,2-Dichloroethane	0.50		10.3	10.40	0	99.1	52	149	09/07/2019
1,2-Dichloropropane	0.50		10.8	10.50	0	103.0	53.2	155	09/07/2019
1,3,5-Trimethylbenzene	0.50		10.3	9.900	0	104.3	64.6	176	09/07/2019
1,3-Butadiene	1.00		8.90	10.30	0	86.4	58.6	131	09/07/2019
1,3-Dichlorobenzene	0.50		11.2	10.10	0	111.4	59.7	167	09/07/2019
1,4-Dichlorobenzene	0.50		11.0	9.900	0	110.8	58.8	165	09/07/2019
1,4-Dioxane	0.50		11.7	10.50	0	111.0	57.4	160	09/07/2019
2-Butanone	1.00		10.8	10.60	0	102.3	41.7	159	09/07/2019
2-Chlorotoluene	0.50		11.5	10.60	0	108.7	57.4	155	09/07/2019
2-Hexanone	0.50		11.1	10.30	0	107.5	49	159	09/07/2019
4-Methyl-2-pentanone	0.50		10.5	10.20	0	102.5	42.4	152	09/07/2019
Acetone	2.00		10.6	10.50	0	101.4	42.1	163	09/07/2019
Acetonitrile	0.50		11.4	10.70	0	106.8	37.6	155	09/07/2019
Acrolein	0.50		11.2	11.00	0	102.0	-3.95	289	09/07/2019
Acrylonitrile	0.50		11.6	11.00	0	105.4	47.1	153	09/07/2019
Allyl chloride	1.00		10.5	10.80	0	97.2	39.4	135	09/07/2019
Benzene	0.50		11.3	10.70	0	105.7	83	125	09/07/2019
Benzyl chloride	0.50		12.5	10.50	0	118.7	49.9	145	09/07/2019
Bromodichloromethane	0.50		11.1	10.50	0	105.3	54.1	144	09/07/2019
Bromoform	0.50		12.0	10.50	0	114.7	57.6	154	09/07/2019
Bromomethane	0.50		9.30	10.40	0	89.4	48.1	147	09/07/2019
Carbon disulfide	0.50		11.1	10.40	0	106.3	48.5	133	09/07/2019
Carbon tetrachloride	0.50		10.7	10.30	0	103.8	54.7	142	09/07/2019
Chlorobenzene	0.50		11.0	10.30	0	107.3	62.1	163	09/07/2019
Chloroethane	0.50		11.8	10.40	0	113.6	47.3	146	09/07/2019
Chloroform	0.50		11.0	10.70	0	102.3	52.9	143	09/07/2019
Chloromethane	0.50		9.54	9.800	0	97.3	40.2	143	09/07/2019
Chloroprene	0.50		11.0	10.80	0	102.1	69.3	126	09/07/2019
cis-1,2-Dichloroethene	0.50		11.4	10.60	0	107.2	56.6	145	09/07/2019
cis-1,3-dichloropropene	0.50		11.4	10.90	0	104.9	57.2	162	09/07/2019
Cyclohexane	0.50		11.5	10.70	0	107.1	49.7	146	09/07/2019
Dibromochloromethane	0.50		11.6	10.40	0	111.2	58.3	152	09/07/2019
Dichlorodifluoromethane	0.50		10.2	9.700	0	104.7	55.4	149	09/07/2019
Dichlorotetrafluoroethane	0.50		8.93	9.400	0	95.0	53.7	155	09/07/2019
Ethanol	5.00		11.4	9.400	0	121.8	27.7	186	09/07/2019
Ethyl acetate	1.00		11.2	10.50	0	106.9	49.6	163	09/07/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157063 SampType: LCS Units ppbv

SampID: LCS-AG190907-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	0.50		10.9	10.20	0	107.2	85.9	143	09/07/2019
Ethyl-tert-butyl ether	0.50		11.0	10.50	0	105.2	50.5	159	09/07/2019
Hexachlorobutadiene	0.50		11.4	9.800	0	115.9	46	208	09/07/2019
Isooctane	0.50		10.9	10.50	0	104.1	49.5	147	09/07/2019
Isopropanol	3.00		10.2	10.90	0	93.5	32.8	147	09/07/2019
Isopropyl ether	0.50		10.3	10.80	0	95.5	44.4	166	09/07/2019
Isopropylbenzene	0.50		11.4	10.50	0	108.1	58.4	156	09/07/2019
m,p-Xylene	1.00		21.3	20.20	0	105.2	88.5	141	09/07/2019
Methyl methacrylate	0.50		10.8	9.900	0	109.5	45.7	167	09/07/2019
Methyl tert-butyl ether	0.50		11.2	10.50	0	107.0	52.1	152	09/07/2019
Methylene chloride	1.00		10.4	10.60	0	97.8	45.6	147	09/07/2019
Naphthalene	2.50		10.5	9.600	0	109.6	40.8	341	09/07/2019
n-Butylbenzene	0.50		13.0	10.70	0	121.5	53.9	153	09/07/2019
n-Heptane	0.50		10.9	10.50	0	103.8	43.4	149	09/07/2019
n-Hexane	0.50		11.0	10.50	0	105.0	48.1	146	09/07/2019
n-Propylbenzene	0.50		11.2	10.40	0	107.8	56.8	156	09/07/2019
o-Cymene	0.50		12.5	10.50	0	119.1	55.6	151	09/07/2019
o-Xylene	0.50		10.5	10.00	0	104.6	88.7	142	09/07/2019
p-Ethyltoluene	0.50		11.4	10.40	0	109.5	55.1	146	09/07/2019
Propylene	0.50		10.3	10.00	0	103.1	40.4	143	09/07/2019
sec-Butylbenzene	0.50		12.5	10.60	0	118.0	57.1	153	09/07/2019
Styrene	0.50		10.6	10.10	0	104.7	61.4	165	09/07/2019
tert-Amyl Methyl Ether	0.50		11.4	10.30	0	110.3	53.7	151	09/07/2019
tert-Butyl alcohol	0.50		10.8	9.900	0	108.6	47.8	144	09/07/2019
tert-Butylbenzene	0.50		12.3	10.60	0	115.8	58.2	156	09/07/2019
Tetrachloroethene	0.50		11.5	10.50	0	109.8	63.3	160	09/07/2019
Tetrahydrofuran	0.50		10.2	9.900	0	103.1	42.9	166	09/07/2019
Toluene	0.50		11.3	10.60	0	106.5	87.4	133	09/07/2019
trans-1,2-Dichloroethene	0.50		10.8	10.20	0	106.3	45.7	129	09/07/2019
trans-1,3-dichloropropene	0.50		6.72	9.600	0	70.0	47.9	210	09/07/2019
Trichloroethene	0.50		11.7	10.80	0	108.0	59.1	148	09/07/2019
Trichlorofluoromethane	0.50		9.65	9.300	0	103.8	59.9	166	09/07/2019
Vinyl acetate	0.50		11.3	11.00	0	103.1	38.4	132	09/07/2019
Vinyl bromide	0.50		11.6	10.60	0	109.8	53.2	137	09/07/2019
Vinyl chloride	0.50		9.10	10.40	0	87.5	44.7	146	09/07/2019
Surr: 4-Bromofluorobenzene			10.4	10.00		104.3	46.9	145	09/07/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157063	SampType: LCSD	Units ppbv		RPD Limit 30						Date
SampID: LCSD-AG190907-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
1,1,1,2-Tetrachloroethane	0.50		11.7	10.70	0	109.1	11.70	0.26	09/07/2019	
1,1,1-Trichloroethane	0.50		11.3	10.90	0	104.0	10.93	3.68	09/07/2019	
1,1,2,2-Tetrachloroethane	0.50		10.8	10.00	0	107.9	10.40	3.68	09/07/2019	
1,1,2-Trichloroethane	0.50		11.7	10.80	0	108.0	11.35	2.69	09/07/2019	
1,1,2-Trichlorotrifluoroethane	0.50		11.7	11.00	0	106.0	11.36	2.61	09/07/2019	
1,1-Dichloroethane	0.50		10.9	10.10	0	107.7	10.34	5.09	09/07/2019	
1,1-Dichloroethene	0.50		12.2	10.90	0	111.5	11.36	6.72	09/07/2019	
1,2,4-Trichlorobenzene	0.50		9.46	9.500	0	99.6	10.28	8.31	09/07/2019	
1,2,4-Trimethylbenzene	0.50		10.0	9.800	0	102.2	10.98	9.14	09/07/2019	
1,2-Dibromoethane	0.50		11.2	10.70	0	104.5	10.93	2.26	09/07/2019	
1,2-Dichlorobenzene	0.50		10.5	9.800	0	106.9	11.45	8.85	09/07/2019	
1,2-Dichloroethane	0.50		11.0	10.40	0	105.6	10.31	6.29	09/07/2019	
1,2-Dichloropropane	0.50		11.4	10.50	0	108.4	10.81	5.14	09/07/2019	
1,3,5-Trimethylbenzene	0.50		9.69	9.900	0	97.9	10.33	6.39	09/07/2019	
1,3-Butadiene	1.00		8.59	10.30	0	83.4	8.900	3.54	09/07/2019	
1,3-Dichlorobenzene	0.50		10.3	10.10	0	101.9	11.25	8.91	09/07/2019	
1,4-Dichlorobenzene	0.50		9.96	9.900	0	100.6	10.97	9.65	09/07/2019	
1,4-Dioxane	0.50		12.1	10.50	0	114.9	11.66	3.37	09/07/2019	
2-Butanone	1.00		11.7	10.60	0	110.8	10.84	7.97	09/07/2019	
2-Chlorotoluene	0.50		11.5	10.60	0	108.8	11.52	0.09	09/07/2019	
2-Hexanone	0.50		11.8	10.30	0	114.9	11.07	6.64	09/07/2019	
4-Methyl-2-pentanone	0.50		11.3	10.20	0	110.8	10.46	7.72	09/07/2019	
Acetone	2.00		11.7	10.50	0	111.3	10.65	9.31	09/07/2019	
Acetonitrile	0.50		12.5	10.70	0	116.5	11.43	8.70	09/07/2019	
Acrolein	0.50		12.1	11.00	0	110.1	11.22	7.63	09/07/2019	
Acrylonitrile	0.50		12.4	11.00	0	113.2	11.59	7.15	09/07/2019	
Allyl chloride	1.00		11.6	10.80	0	107.2	10.50	9.78	09/07/2019	
Benzene	0.50		11.7	10.70	0	109.4	11.31	3.48	09/07/2019	
Benzyl chloride	0.50		11.4	10.50	0	108.4	12.46	9.06	09/07/2019	
Bromodichloromethane	0.50		11.5	10.50	0	109.7	11.06	4.07	09/07/2019	
Bromoform	0.50		11.8	10.50	0	112.3	12.04	2.10	09/07/2019	
Bromomethane	0.50		9.20	10.40	0	88.5	9.300	1.08	09/07/2019	
Carbon disulfide	0.50		11.5	10.40	0	110.4	11.06	3.73	09/07/2019	
Carbon tetrachloride	0.50		10.9	10.30	0	105.9	10.69	2.04	09/07/2019	
Chlorobenzene	0.50		11.2	10.30	0	108.3	11.05	0.90	09/07/2019	
Chloroethane	0.50		12.6	10.40	0	120.7	11.81	6.08	09/07/2019	
Chloroform	0.50		11.3	10.70	0	105.9	10.95	3.41	09/07/2019	
Chloromethane	0.50		10.7	9.800	0	109.6	9.540	11.83	09/07/2019	
Chloroprene	0.50		11.7	10.80	0	108.7	11.03	6.24	09/07/2019	
cis-1,2-Dichloroethene	0.50		11.6	10.60	0	109.9	11.36	2.52	09/07/2019	
cis-1,3-dichloropropene	0.50		11.9	10.90	0	109.4	11.43	4.20	09/07/2019	
Cyclohexane	0.50		12.0	10.70	0	112.6	11.46	5.02	09/07/2019	
Dibromochloromethane	0.50		11.7	10.40	0	112.4	11.56	1.12	09/07/2019	
Dichlorodifluoromethane	0.50		10.5	9.700	0	107.8	10.16	2.91	09/07/2019	
Dichlorotetrafluoroethane	0.50		9.35	9.400	0	99.5	8.930	4.60	09/07/2019	
Ethanol	5.00		12.6	9.400	0	134.6	11.45	9.96	09/07/2019	
Ethyl acetate	1.00		12.0	10.50	0	114.4	11.22	6.80	09/07/2019	



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157063	SampType: LCSD	Units ppbv	RPD Limit 30							
SampID: LCSD-AG190907-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Ethylbenzene	0.50		11.2	10.20	0	109.5	10.93	2.17	09/07/2019	
Ethyl-tert-butyl ether	0.50		11.7	10.50	0	111.7	11.05	5.97	09/07/2019	
Hexachlorobutadiene	0.50		10.4	9.800	0	106.5	11.36	8.44	09/07/2019	
Isooctane	0.50		11.5	10.50	0	109.9	10.93	5.43	09/07/2019	
Isopropanol	3.00		11.1	10.90	0	101.7	10.19	8.37	09/07/2019	
Isopropyl ether	0.50		11.2	10.80	0	103.5	10.31	8.10	09/07/2019	
Isopropylbenzene	0.50		11.3	10.50	0	108.0	11.35	0.09	09/07/2019	
m,p-Xylene	1.00		21.6	20.20	0	107.0	21.26	1.63	09/07/2019	
Methyl methacrylate	0.50		11.9	9.900	0	120.1	10.84	9.24	09/07/2019	
Methyl tert-butyl ether	0.50		11.8	10.50	0	111.9	11.23	4.53	09/07/2019	
Methylene chloride	1.00		11.2	10.60	0	105.5	10.37	7.52	09/07/2019	
Naphthalene	2.50		9.66	9.600	0	100.6	10.52	8.52	09/07/2019	
n-Butylbenzene	0.50		11.9	10.70	0	111.0	13.00	9.00	09/07/2019	
n-Heptane	0.50		11.7	10.50	0	111.3	10.90	6.99	09/07/2019	
n-Hexane	0.50		11.7	10.50	0	111.5	11.03	5.98	09/07/2019	
n-Propylbenzene	0.50		11.2	10.40	0	107.9	11.21	0.09	09/07/2019	
o-Cymene	0.50		11.4	10.50	0	108.6	12.51	9.28	09/07/2019	
o-Xylene	0.50		10.6	10.00	0	106.1	10.46	1.42	09/07/2019	
p-Ethyltoluene	0.50		11.2	10.40	0	107.4	11.39	1.95	09/07/2019	
Propylene	0.50		10.7	10.00	0	106.7	10.31	3.43	09/07/2019	
sec-Butylbenzene	0.50		11.4	10.60	0	107.3	12.51	9.55	09/07/2019	
Styrene	0.50		10.6	10.10	0	105.4	10.57	0.75	09/07/2019	
tert-Amyl Methyl Ether	0.50		11.9	10.30	0	115.1	11.36	4.31	09/07/2019	
tert-Butyl alcohol	0.50		11.5	9.900	0	116.5	10.75	7.00	09/07/2019	
tert-Butylbenzene	0.50		11.2	10.60	0	105.4	12.28	9.47	09/07/2019	
Tetrachloroethene	0.50		11.3	10.50	0	107.4	11.53	2.19	09/07/2019	
Tetrahydrofuran	0.50		11.0	9.900	0	111.6	10.21	7.90	09/07/2019	
Toluene	0.50		11.5	10.60	0	108.9	11.29	2.19	09/07/2019	
trans-1,2-Dichloroethene	0.50		11.5	10.20	0	112.6	10.84	5.82	09/07/2019	
trans-1,3-dichloropropene	0.50		7.10	9.600	0	74.0	6.720	5.50	09/07/2019	
Trichloroethene	0.50		11.6	10.80	0	107.5	11.66	0.43	09/07/2019	
Trichlorofluoromethane	0.50		9.97	9.300	0	107.2	9.650	3.26	09/07/2019	
Vinyl acetate	0.50		12.3	11.00	0	111.5	11.34	7.80	09/07/2019	
Vinyl bromide	0.50		12.0	10.60	0	112.7	11.64	2.63	09/07/2019	
Vinyl chloride	0.50		9.18	10.40	0	88.3	9.100	0.88	09/07/2019	
Surr: 4-Bromofluorobenzene			10.5	10.00		104.6			09/07/2019	



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157063 SampType: LCS1 Units ppbv
 SampID: LCS-AG190907-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,3-Butadiene	1.00		8.84	10.40	0	85.0	55.3	141	09/07/2019
Benzene	0.50		11.0	10.70	0	102.9	79.9	125	09/07/2019
Chloroprene	0.50		11.1	10.80	0	102.4	84.4	140	09/07/2019
Ethylbenzene	0.50		10.8	10.20	0	105.4	92	134	09/07/2019
m,p-Xylene	1.00		20.9	20.20	0	103.4	87.6	127	09/07/2019
o-Xylene	0.50		10.2	10.00	0	101.8	89.1	137	09/07/2019
Toluene	0.50		10.9	10.60	0	103.1	86.8	129	09/07/2019
Surr: 4-Bromofluorobenzene			10.6	10.00		105.9	46.9	145	09/07/2019

Batch 157063 SampType: LCS1D Units ppbv
 SampID: LCSD-AG190907-1

RPD Limit 30

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,3-Butadiene	1.00		8.53	10.40	0	82.0	8.840	3.57	09/07/2019
Benzene	0.50		11.4	10.70	0	106.5	11.01	3.48	09/07/2019
Chloroprene	0.50		11.8	10.80	0	109.1	11.06	6.30	09/07/2019
Ethylbenzene	0.50		11.0	10.20	0	107.6	10.75	2.12	09/07/2019
m,p-Xylene	1.00		21.2	20.20	0	105.1	20.89	1.61	09/07/2019
o-Xylene	0.50		10.3	10.00	0	103.2	10.18	1.37	09/07/2019
Toluene	0.50		11.2	10.60	0	105.6	10.93	2.35	09/07/2019
Surr: 4-Bromofluorobenzene			10.6	10.00		106.3			09/07/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157101 SampType: MBLK Units ppbv
SampleID: MBLK-AG190909-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	0.50		ND						09/09/2019
1,1,1-Trichloroethane	0.50		ND						09/09/2019
1,1,2,2-Tetrachloroethane	0.50		ND						09/09/2019
1,1,2-Trichloroethane	0.50		ND						09/09/2019
1,1,2-Trichlorotrifluoroethane	0.50		ND						09/09/2019
1,1-Dichloroethane	0.50		ND						09/09/2019
1,1-Dichloroethene	0.50		ND						09/09/2019
1,2,4-Trichlorobenzene	0.50		ND						09/09/2019
1,2,4-Trimethylbenzene	0.50		ND						09/09/2019
1,2-Dibromoethane	0.50		ND						09/09/2019
1,2-Dichlorobenzene	0.50		ND						09/09/2019
1,2-Dichloroethane	0.50		ND						09/09/2019
1,2-Dichloropropane	0.50		ND						09/09/2019
1,3,5-Trimethylbenzene	0.50		ND						09/09/2019
1,3-Butadiene	1.00		ND						09/09/2019
1,3-Dichlorobenzene	0.50		ND						09/09/2019
1,4-Dichlorobenzene	0.50		ND						09/09/2019
1,4-Dioxane	0.50		ND						09/09/2019
2-Butanone	1.00		ND						09/09/2019
2-Chlorotoluene	0.50		ND						09/09/2019
2-Hexanone	0.50		ND						09/09/2019
4-Methyl-2-pentanone	0.50		ND						09/09/2019
Acetone	2.00		ND						09/09/2019
Acetonitrile	0.50		ND						09/09/2019
Acrolein	0.50		ND						09/09/2019
Acrylonitrile	0.50		ND						09/09/2019
Allyl chloride	1.00		ND						09/09/2019
Benzene	0.50		ND						09/09/2019
Benzyl chloride	0.50		ND						09/09/2019
Bromodichloromethane	0.50		ND						09/09/2019
Bromoform	0.50		ND						09/09/2019
Bromomethane	0.50		ND						09/09/2019
Carbon disulfide	0.50		ND						09/09/2019
Carbon tetrachloride	0.50		ND						09/09/2019
Chlorobenzene	0.50		ND						09/09/2019
Chloroethane	0.50		ND						09/09/2019
Chloroform	0.50		ND						09/09/2019
Chloromethane	0.50		ND						09/09/2019
Chloroprene	0.50		ND						09/09/2019
cis-1,2-Dichloroethene	0.50		ND						09/09/2019
cis-1,3-dichloropropene	0.50		ND						09/09/2019
Cyclohexane	0.50		ND						09/09/2019
Dibromochloromethane	0.50		ND						09/09/2019
Dichlorodifluoromethane	0.50		ND						09/09/2019
Dichlorotetrafluoroethane	0.50		ND						09/09/2019
Ethanol	5.00		ND						09/09/2019
Ethyl acetate	1.00		ND						09/09/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157101 SampType: MBLK Units ppbv
 SampID: MBLK-AG190909-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	0.50		ND						09/09/2019
Ethyl-tert-butyl ether	0.50		ND						09/09/2019
Hexachlorobutadiene	0.50		ND						09/09/2019
Isooctane	0.50		ND						09/09/2019
Isopropanol	3.00		ND						09/09/2019
Isopropyl ether	0.50		ND						09/09/2019
Isopropylbenzene	0.50		ND						09/09/2019
m,p-Xylene	1.00		ND						09/09/2019
Methyl methacrylate	0.50		ND						09/09/2019
Methyl tert-butyl ether	0.50		ND						09/09/2019
Methylene chloride	1.00		ND						09/09/2019
Naphthalene	2.50		ND						09/09/2019
n-Butylbenzene	0.50		ND						09/09/2019
n-Heptane	0.50		ND						09/09/2019
n-Hexane	0.50		ND						09/09/2019
n-Propylbenzene	0.50		ND						09/09/2019
o-Cymene	0.50		ND						09/09/2019
o-Xylene	0.50		ND						09/09/2019
p-Ethyltoluene	0.50		ND						09/09/2019
Propylene	0.50		ND						09/09/2019
sec-Butylbenzene	0.50		ND						09/09/2019
Styrene	0.50		ND						09/09/2019
tert-Amyl Methyl Ether	0.50		ND						09/09/2019
tert-Butyl alcohol	0.50		ND						09/09/2019
tert-Butylbenzene	0.50		ND						09/09/2019
Tetrachloroethene	0.50		ND						09/09/2019
Tetrahydrofuran	0.50		ND						09/09/2019
Toluene	0.50		ND						09/09/2019
trans-1,2-Dichloroethene	0.50		ND						09/09/2019
trans-1,3-dichloropropene	0.50		ND						09/09/2019
Trichloroethene	0.50		ND						09/09/2019
Trichlorofluoromethane	0.50		ND						09/09/2019
Vinyl acetate	0.50		ND						09/09/2019
Vinyl bromide	0.50		ND						09/09/2019
Vinyl chloride	0.50		ND						09/09/2019
Surr: 4-Bromofluorobenzene			8.12	10.00		81.2	46.9	145	09/09/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157101 SampType: LCS Units ppbv
SampID: LCS-AG190909-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	0.50		11.8	10.70	0	110.6	59.5	153	09/09/2019
1,1,1-Trichloroethane	0.50		11.2	10.90	0	102.8	51.4	141	09/09/2019
1,1,2,2-Tetrachloroethane	0.50		10.5	10.00	0	105.0	57.6	163	09/09/2019
1,1,2-Trichloroethane	0.50		11.5	10.80	0	106.9	60.1	159	09/09/2019
1,1,2-Trichlorotrifluoroethane	0.50		11.6	11.00	0	105.2	56	145	09/09/2019
1,1-Dichloroethane	0.50		10.5	10.10	0	104.2	51.6	150	09/09/2019
1,1-Dichloroethene	0.50		11.6	10.90	0	106.7	48.5	139	09/09/2019
1,2,4-Trichlorobenzene	0.50		9.99	9.500	0	105.2	33	262	09/09/2019
1,2,4-Trimethylbenzene	0.50		10.0	9.800	0	102.3	62.7	174	09/09/2019
1,2-Dibromoethane	0.50		11.1	10.70	0	104.0	61.6	160	09/09/2019
1,2-Dichlorobenzene	0.50		10.7	9.800	0	108.9	59.8	169	09/09/2019
1,2-Dichloroethane	0.50		10.5	10.40	0	101.0	52	149	09/09/2019
1,2-Dichloropropane	0.50		10.9	10.50	0	104.1	53.2	155	09/09/2019
1,3,5-Trimethylbenzene	0.50		9.79	9.900	0	98.9	64.6	176	09/09/2019
1,3-Butadiene	1.00		9.21	10.30	0	89.4	58.6	131	09/09/2019
1,3-Dichlorobenzene	0.50		10.5	10.10	0	104.1	59.7	167	09/09/2019
1,4-Dichlorobenzene	0.50		10.2	9.900	0	103.1	58.8	165	09/09/2019
1,4-Dioxane	0.50		12.0	10.50	0	114.5	57.4	160	09/09/2019
2-Butanone	1.00		11.0	10.60	0	104.0	41.7	159	09/09/2019
2-Chlorotoluene	0.50		11.5	10.60	0	108.3	57.4	155	09/09/2019
2-Hexanone	0.50		11.3	10.30	0	109.7	49	159	09/09/2019
4-Methyl-2-pentanone	0.50		10.7	10.20	0	104.9	42.4	152	09/09/2019
Acetone	2.00		10.8	10.50	0	103.3	42.1	163	09/09/2019
Acetonitrile	0.50		11.6	10.70	0	108.3	37.6	155	09/09/2019
Acrolein	0.50		11.5	11.00	0	104.7	-3.95	289	09/09/2019
Acrylonitrile	0.50		11.8	11.00	0	107.5	47.1	153	09/09/2019
Allyl chloride	1.00		10.8	10.80	0	99.6	39.4	135	09/09/2019
Benzene	0.50		11.6	10.70	0	108.4	83	125	09/09/2019
Benzyl chloride	0.50		11.4	10.50	0	108.4	49.9	145	09/09/2019
Bromodichloromethane	0.50		11.3	10.50	0	107.2	54.1	144	09/09/2019
Bromoform	0.50		12.3	10.50	0	117.5	57.6	154	09/09/2019
Bromomethane	0.50		9.54	10.40	0	91.7	48.1	147	09/09/2019
Carbon disulfide	0.50		11.2	10.40	0	108.1	48.5	133	09/09/2019
Carbon tetrachloride	0.50		11.0	10.30	0	106.6	54.7	142	09/09/2019
Chlorobenzene	0.50		11.2	10.30	0	108.5	62.1	163	09/09/2019
Chloroethane	0.50		9.49	10.40	0	91.2	47.3	146	09/09/2019
Chloroform	0.50		11.1	10.70	0	104.1	52.9	143	09/09/2019
Chloromethane	0.50		9.74	9.800	0	99.4	40.2	143	09/09/2019
Chloroprene	0.50		11.2	10.80	0	103.5	69.3	126	09/09/2019
cis-1,2-Dichloroethene	0.50		11.6	10.60	0	109.0	56.6	145	09/09/2019
cis-1,3-dichloropropene	0.50		11.7	10.90	0	107.5	57.2	162	09/09/2019
Cyclohexane	0.50		11.6	10.70	0	108.7	49.7	146	09/09/2019
Dibromochloromethane	0.50		11.8	10.40	0	113.6	58.3	152	09/09/2019
Dichlorodifluoromethane	0.50		10.3	9.700	0	106.3	55.4	149	09/09/2019
Dichlorotetrafluoroethane	0.50		9.14	9.400	0	97.2	53.7	155	09/09/2019
Ethanol	5.00		11.8	9.400	0	125.2	27.7	186	09/09/2019
Ethyl acetate	1.00		11.3	10.50	0	107.4	49.6	163	09/09/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157101 SampType: LCS Units ppbv
SampID: LCS-AG190909-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	0.50		11.1	10.20	0	108.5	85.9	143	09/09/2019
Ethyl-tert-butyl ether	0.50		11.3	10.50	0	107.6	50.5	159	09/09/2019
Hexachlorobutadiene	0.50		11.1	9.800	0	113.4	46	208	09/09/2019
Isooctane	0.50		11.1	10.50	0	105.9	49.5	147	09/09/2019
Isopropanol	3.00		10.4	10.90	0	95.4	32.8	147	09/09/2019
Isopropyl ether	0.50		10.5	10.80	0	97.2	44.4	166	09/09/2019
Isopropylbenzene	0.50		11.4	10.50	0	108.3	58.4	156	09/09/2019
m,p-Xylene	1.00		21.5	20.20	0	106.5	88.5	141	09/09/2019
Methyl methacrylate	0.50		11.1	9.900	0	112.3	45.7	167	09/09/2019
Methyl tert-butyl ether	0.50		11.4	10.50	0	109.0	52.1	152	09/09/2019
Methylene chloride	1.00		10.5	10.60	0	98.8	45.6	147	09/09/2019
Naphthalene	2.50		9.92	9.600	0	103.3	40.8	341	09/09/2019
n-Butylbenzene	0.50		11.7	10.70	0	109.5	53.9	153	09/09/2019
n-Heptane	0.50		11.2	10.50	0	106.2	43.4	149	09/09/2019
n-Hexane	0.50		11.2	10.50	0	107.0	48.1	146	09/09/2019
n-Propylbenzene	0.50		11.1	10.40	0	107.1	56.8	156	09/09/2019
o-Cymene	0.50		11.5	10.50	0	109.8	55.6	151	09/09/2019
p-Xylene	0.50		10.6	10.00	0	105.7	88.7	142	09/09/2019
p-Ethyltoluene	0.50		11.2	10.40	0	107.9	55.1	146	09/09/2019
Propylene	0.50		10.6	10.00	0	105.6	40.4	143	09/09/2019
sec-Butylbenzene	0.50		11.4	10.60	0	107.4	57.1	153	09/09/2019
Styrene	0.50		10.8	10.10	0	106.4	61.4	165	09/09/2019
tert-Amyl Methyl Ether	0.50		11.6	10.30	0	112.3	53.7	151	09/09/2019
tert-Butyl alcohol	0.50		11.0	9.900	0	111.0	47.8	144	09/09/2019
tert-Butylbenzene	0.50		11.3	10.60	0	106.8	58.2	156	09/09/2019
Tetrachloroethene	0.50		11.7	10.50	0	111.5	63.3	160	09/09/2019
Tetrahydrofuran	0.50		10.4	9.900	0	104.6	42.9	166	09/09/2019
Toluene	0.50		11.5	10.60	0	108.6	87.4	133	09/09/2019
trans-1,2-Dichloroethene	0.50		11.0	10.20	0	108.2	45.7	129	09/09/2019
trans-1,3-dichloropropene	0.50		6.90	9.600	0	71.9	47.9	210	09/09/2019
Trichloroethene	0.50		12.0	10.80	0	110.6	59.1	148	09/09/2019
Trichlorofluoromethane	0.50		9.81	9.300	0	105.5	59.9	166	09/09/2019
Vinyl acetate	0.50		11.6	11.00	0	105.6	38.4	132	09/09/2019
Vinyl bromide	0.50		12.0	10.60	0	112.9	53.2	137	09/09/2019
Vinyl chloride	0.50		9.49	10.40	0	91.2	44.7	146	09/09/2019
Surr: 4-Bromofluorobenzene			10.3	10.00		103.0	46.9	145	09/09/2019



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157101	SampType: LCSD	Units ppbv	RPD Limit 30							
SampID: LCSD-AG190909-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,1,1,2-Tetrachloroethane	0.50		12.0	10.70	0	111.9	11.83	1.18	09/09/2019	
1,1,1-Trichloroethane	0.50		11.2	10.90	0	102.9	11.21	0.09	09/09/2019	
1,1,2,2-Tetrachloroethane	0.50		10.6	10.00	0	105.8	10.50	0.76	09/09/2019	
1,1,2-Trichloroethane	0.50		11.6	10.80	0	107.4	11.54	0.52	09/09/2019	
1,1,2-Trichlorotrifluoroethane	0.50		11.7	11.00	0	106.1	11.57	0.86	09/09/2019	
1,1-Dichloroethane	0.50		10.6	10.10	0	104.6	10.52	0.38	09/09/2019	
1,1-Dichloroethene	0.50		11.7	10.90	0	107.2	11.63	0.43	09/09/2019	
1,2,4-Trichlorobenzene	0.50		10.2	9.500	0	107.3	9.990	1.98	09/09/2019	
1,2,4-Trimethylbenzene	0.50		10.2	9.800	0	103.7	10.03	1.29	09/09/2019	
1,2-Dibromoethane	0.50		11.2	10.70	0	105.0	11.13	0.98	09/09/2019	
1,2-Dichlorobenzene	0.50		10.9	9.800	0	110.9	10.67	1.86	09/09/2019	
1,2-Dichloroethane	0.50		10.6	10.40	0	101.6	10.50	0.66	09/09/2019	
1,2-Dichloropropane	0.50		11.1	10.50	0	105.8	10.93	1.63	09/09/2019	
1,3,5-Trimethylbenzene	0.50		9.87	9.900	0	99.7	9.790	0.81	09/09/2019	
1,3-Butadiene	1.00		9.40	10.30	0	91.3	9.210	2.04	09/09/2019	
1,3-Dichlorobenzene	0.50		10.6	10.10	0	104.5	10.51	0.38	09/09/2019	
1,4-Dichlorobenzene	0.50		10.3	9.900	0	104.2	10.21	1.07	09/09/2019	
1,4-Dioxane	0.50		12.1	10.50	0	115.5	12.02	0.91	09/09/2019	
2-Butanone	1.00		11.2	10.60	0	105.5	11.02	1.44	09/09/2019	
2-Chlorotoluene	0.50		11.6	10.60	0	109.3	11.48	0.95	09/09/2019	
2-Hexanone	0.50		11.5	10.30	0	111.9	11.30	2.01	09/09/2019	
4-Methyl-2-pentanone	0.50		10.7	10.20	0	105.1	10.70	0.19	09/09/2019	
Acetone	2.00		11.0	10.50	0	104.8	10.85	1.37	09/09/2019	
Acetonitrile	0.50		11.8	10.70	0	110.6	11.59	2.05	09/09/2019	
Acrolein	0.50		11.7	11.00	0	106.4	11.52	1.55	09/09/2019	
Acrylonitrile	0.50		11.9	11.00	0	108.0	11.83	0.42	09/09/2019	
Allyl chloride	1.00		10.8	10.80	0	99.7	10.76	0.09	09/09/2019	
Benzene	0.50		11.6	10.70	0	108.7	11.60	0.26	09/09/2019	
Benzyl chloride	0.50		11.5	10.50	0	109.1	11.38	0.70	09/09/2019	
Bromodichloromethane	0.50		11.3	10.50	0	107.8	11.26	0.53	09/09/2019	
Bromoform	0.50		12.4	10.50	0	118.2	12.34	0.57	09/09/2019	
Bromomethane	0.50		9.61	10.40	0	92.4	9.540	0.73	09/09/2019	
Carbon disulfide	0.50		11.2	10.40	0	108.2	11.24	0.09	09/09/2019	
Carbon tetrachloride	0.50		10.9	10.30	0	106.1	10.98	0.46	09/09/2019	
Chlorobenzene	0.50		11.3	10.30	0	109.9	11.18	1.24	09/09/2019	
Chloroethane	0.50		8.79	10.40	0	84.5	9.490	7.66	09/09/2019	
Chloroform	0.50		11.2	10.70	0	104.7	11.14	0.54	09/09/2019	
Chloromethane	0.50		9.72	9.800	0	99.2	9.740	0.21	09/09/2019	
Chloroprene	0.50		11.2	10.80	0	104.0	11.18	0.45	09/09/2019	
cis-1,2-Dichloroethene	0.50		11.7	10.60	0	110.8	11.55	1.63	09/09/2019	
cis-1,3-dichloropropene	0.50		11.8	10.90	0	108.1	11.72	0.51	09/09/2019	
Cyclohexane	0.50		11.8	10.70	0	110.3	11.63	1.45	09/09/2019	
Dibromochloromethane	0.50		11.9	10.40	0	114.6	11.81	0.93	09/09/2019	
Dichlorodifluoromethane	0.50		10.2	9.700	0	105.1	10.31	1.17	09/09/2019	
Dichlorotetrafluoroethane	0.50		9.17	9.400	0	97.6	9.140	0.33	09/09/2019	
Ethanol	5.00		11.8	9.400	0	125.3	11.77	0.08	09/09/2019	
Ethyl acetate	1.00		11.4	10.50	0	109.0	11.28	1.50	09/09/2019	



Quality Control Results

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 157101	SampType: LCSD	Units ppbv	RPD Limit 30						Date Analyzed
SampID: LCSD-AG190909-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Ethylbenzene	0.50		11.2	10.20	0	109.5	11.07	0.90	09/09/2019
Ethyl-tert-butyl ether	0.50		11.3	10.50	0	107.9	11.30	0.27	09/09/2019
Hexachlorobutadiene	0.50		11.5	9.800	0	116.9	11.11	3.10	09/09/2019
Isoclane	0.50		11.2	10.50	0	106.4	11.12	0.45	09/09/2019
Isopropanol	3.00		10.5	10.90	0	96.3	10.40	0.96	09/09/2019
Isopropyl ether	0.50		10.5	10.80	0	97.2	10.50	0.00	09/09/2019
Isopropylbenzene	0.50		11.4	10.50	0	108.5	11.37	0.18	09/09/2019
m,p-Xylene	1.00		21.7	20.20	0	107.5	21.51	0.97	09/09/2019
Methyl methacrylate	0.50		11.2	9.900	0	113.3	11.12	0.90	09/09/2019
Methyl tert-butyl ether	0.50		11.6	10.50	0	110.0	11.44	0.96	09/09/2019
Methylene chloride	1.00		10.6	10.60	0	99.6	10.47	0.86	09/09/2019
Naphthalene	2.50		10.2	9.600	0	105.7	9.920	2.29	09/09/2019
n-Butylbenzene	0.50		11.9	10.70	0	111.0	11.72	1.36	09/09/2019
n-Heptane	0.50		11.2	10.50	0	106.7	11.15	0.45	09/09/2019
n-Hexane	0.50		11.3	10.50	0	107.7	11.24	0.62	09/09/2019
n-Propylbenzene	0.50		11.2	10.40	0	108.0	11.14	0.80	09/09/2019
o-Cymene	0.50		11.7	10.50	0	111.6	11.53	1.63	09/09/2019
o-Xylene	0.50		10.6	10.00	0	106.2	10.57	0.47	09/09/2019
p-Ethyltoluene	0.50		11.3	10.40	0	108.7	11.22	0.71	09/09/2019
Propylene	0.50		10.6	10.00	0	106.2	10.56	0.57	09/09/2019
sec-Butylbenzene	0.50		11.5	10.60	0	108.3	11.38	0.87	09/09/2019
Styrene	0.50		10.8	10.10	0	107.3	10.75	0.83	09/09/2019
tert-Amyl Methyl Ether	0.50		11.7	10.30	0	113.9	11.57	1.37	09/09/2019
tert-Butyl alcohol	0.50		11.1	9.900	0	112.0	10.99	0.91	09/09/2019
tert-Butylbenzene	0.50		11.4	10.60	0	107.7	11.32	0.88	09/09/2019
Tetrachloroethene	0.50		11.9	10.50	0	113.1	11.71	1.44	09/09/2019
Tetrahydrofuran	0.50		10.4	9.900	0	105.3	10.36	0.58	09/09/2019
Toluene	0.50		11.7	10.60	0	110.1	11.51	1.38	09/09/2019
trans-1,2-Dichloroethene	0.50		11.2	10.20	0	109.5	11.04	1.17	09/09/2019
trans-1,3-dichloropropene	0.50		7.02	9.600	0	73.1	6.900	1.72	09/09/2019
Trichloroethene	0.50		12.1	10.80	0	111.9	11.95	1.16	09/09/2019
Trichlorofluoromethane	0.50		9.84	9.300	0	105.8	9.810	0.31	09/09/2019
Vinyl acetate	0.50		11.7	11.00	0	106.7	11.62	1.03	09/09/2019
Vinyl bromide	0.50		12.0	10.60	0	112.7	11.97	0.17	09/09/2019
Vinyl chloride	0.50		9.55	10.40	0	91.8	9.490	0.63	09/09/2019
Surr: 4-Bromofluorobenzene			10.4	10.00		103.5			09/09/2019



Receiving Check List

<http://www.teklabinc.com/>

Client: CW3M Co. Inc.

Work Order: 19090210

Client Project: Aman Food & Gas

Report Date: 11-Sep-2019

Carrier: Paul M Reeves

Received By: AH

Completed by:

Amber M. Dilallo

Reviewed by:

Elizabeth A. Hurley

On:

On:

04-Sep-2019

Amber M. Dilallo

04-Sep-2019

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

- | | | | | |
|---|--|------------------------------|--|----------------------------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Temp °C <i>n/a</i> |
| Type of thermal preservation? | None <input checked="" type="checkbox"/> | Ice <input type="checkbox"/> | Blue Ice <input type="checkbox"/> | Dry Ice <input type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | NA <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

- | | | | |
|---|------------------------------|-----------------------------|---|
| Water – at least one vial per sample has zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Any No responses must be detailed below or on the COC.

Sample was transferred to Collinsville Air Lab on 9/5/19 at 0929. - ehurley - 9/5/2019 12:15:20 PM

Clients sample id, canister id and clients final pressure readings followed by readings taken upon arrival at the laboratory. - HRiley - 9/9/2019 1:58:50 PM
SV-1 5084 -3/-4

TEKLAB, INC.

3920 Pintail Drive Suite A, Springfield, IL 62711 Phone (217) 698-1004 Fax (217) 698-1005
 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

pg 1 of Lab Work Order # 19090210

AIR SAMPLING FIELD FORM AND CHAIN OF CUSTODY

Client Name: CWM Company, Inc.
 Address: 7015 Grand Ave. W.
 Phone: (217) 522-8001
 Email: CWM@CWMCompany.com
 Project ID: AMan Food & Gas
 Project Manager: Carol L. Rowe
 Sampler: MJS/JKK
 PO Number:

Results Requested (check one)
 Standard
 1-3 Day (100% surcharge)
 4-5 Day (50% surcharge)
 Other (specify below)

Sample Type (check one)
 Ambient Air
 Soil Gas/Vapor
 Indoor Air
 Landfill Gas
 Indoor Sub-Slab
 Other (specify)
 Stack

Lab Use Only: Sample pick up N, Samples on: Ice/Blue No Ice Temp. °C

Comments:

Lab Use Only				Sample Start Parameters						Sample Stop Parameters			Requested Analysis (list metals/other below in comments)						
Laboratory ID	Sample Identification	Canister Number	Controller Number	Date/Time		Vacuum	Date/Time		Vacuum	TO-15 Lists (circle) Standard Extended	TO-15 select (circle) RTEX MBTE Naphthalena (Sopropanol) TPH:GRO	TO-13	TO-4	PM10/ TSP	Metals	Other			
				Date	Time	(in. Hg)	Date	Time	(in. Hg)										
<u>19090210</u>	<u>SV-1</u>	<u>5084</u>	<u>40</u>	<u>9/3/19</u>	<u>11:59</u>	<u>0.29</u>	<u>9/3/19</u>	<u>12:08</u>	<u>3</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								

Are these samples known to be involved in litigation? If yes, a level IV data package will be generated and a surcharge will apply. Yes No

Are these samples known to be hazardous? Yes No

Special QC Requirements/Special Instructions/Comments:

Shipping Company and Tracking Number:

Relinquished By	Date/Time	Received By	Date/Time
<u>[Signature]</u>	<u>9/3/19 5:15</u>	<u>[Signature]</u>	<u>9/4/19 12:05</u>
<u>[Signature]</u>	<u>9/4/19 14:05</u>	<u>[Signature]</u>	<u>9/4/19 14:05</u>
<u>[Signature]</u>	<u>9/5/19 09:29</u>	<u>[Signature]</u>	<u>9/5/19 09:29</u>

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse, and has the authority to sign on behalf of client.

White Copy - Laboratory Yellow Copy- Sampler

APPENDIX E

TACO CALCULATIONS

CORRECTIVE ACTION COMPLETION REPORT

AMAN FOOD AND GAS MOLINE, ILLINOIS

R-26 Input/Summary Sheet

Version: 3/26/2018

IEMA Incident # (6 or 8 digit)	2014-0247	
IEPA LPC # (10 digit)	1610455194	
Site Name:	Aman Food and Gas	
Site Address:	1830 5th Avenue	
City:	Moline	
County:	Rock Island	
Zip Code:	61265	
SSL Equations Used:	S5,6,7,8,9,10,17,18,19,20,21,22,24	
RBCA Equations Used:	R-1, R-2, R3	
Contact Information for Individual who Performed Calculation:		
Land Use:	Residential & Construction Worker	
Objective from S17 used in R26:	No	
Groundwater:	Class 1	
Standard or Mass Limit Equations:	Standard Equations	If Mass Limit, then Specify Acres:
Square Feet of Plume for Mass Limit Eq.:	0.00	< use this # above
Date Data is Entered:	March 21, 2019	

Entry	Description	Reference	Value
1.807	Holcomb Bulk Density (pcf), or Dry Soil Bulk Density (g/cm ³ or kg/L): 1.5, or Gravel =2.0, Sand = 1.8, Silt = 1.6, Clay = 1.7, or site specific	Shelby Tube Location:	
2.637	ps - Soil Particle Density		
0.315	Total Soil Porosity	0.315	0.315
0.202	Water Filled Porosity	0.202	0.202
0.113	Air Filled Porosity	0.113	0.113
0.430	θ_T - Total Soil Porosity (RBCA)	0.43 or, Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36	
0.180	w - Average Soil Moisture Content	0.1, or: Subsurface Soil (top 1m) = 0.1; Subsurface Soil (below 1 m) =0.2; or Site Specific	
Silt Loam	USDA Soil Classification (Pick from List)		
0.00450	Fractional Organic Carbon (foc) in g/g		
			Organic Matter (%):
			Organic Matter (mg/kg):
			Total Organic Carbon (g/g): 0.0045
1.50E-04	Average Hydraulic Conductivity (cm/sec)	Well Name	
1.50E-04	Falling Hydraulic Conductivity (cm/sec)	MW-1	
	Rising Hydraulic Conductivity (cm/sec)		
0.05934	Hydraulic Gradient (0.02 for sites with no groundwater)	Meters	
10	d_a - Aquifer Thickness (ft)	3.048 m	
10	d_s - Depth of Source (ft) (Vertical Thickness of Contamination)	3.048 m	
	X - Distance along the centerline of the groundwater plume emanating to setback zone or surface water from the source in the direction of groundwater flow (ft) (RBCA)	0 cm	
76	L - Source Length Parallel to Groundwater Flow (ft)	23.1648 m	
139	Sw: Source Width -horizontal plane (ft) (RBCA)	4236.72 cm	
	$C_{(x)}$ - Concentration of Contaminant in groundwater at distance X from the source (mg/L)		
	Benzene	MTBE	
	Toluene		
	Ethylbenzene		
	Total Xylenes		
	Chemicals of Concern		
	Benzene	Naphthalene	
	Toluene	Chrysene	
	Ethylbenzene	Benzo(k)fluoranthene	
	Total Xylenes	Indeno(1,2,3-cd)pyrene	
	MTBE		

MW-2	95.68
MW-4	91.17
Distance:	76

Surface Water

- Mass Limit Equations
- SSL Equations Needed
- Inhalation Equations
- Groundwater Ingestion Equations
- Csat Equations
- Fugitive Dust Equations
- Ingestion Equations

Aman Food and Gas				
GROUNDWATER CLEAN-UP OBJECTIVES				
(mg/L)				
Parameter	Most Stringent CUO	Class I GW	Class II GW	ADLs (U)
Benzene	0.005	0.005	0.025	<0.002
Ethylbenzene	0.7	0.7	1	<0.002
MTBE	0.07	0.07	0.07	<0.005
Toluene	1.0	1.0	2.5	<0.002
Total Xylenes	10.0	10.0	10.0	<0.005
Acenaphthene	0.42	0.42	2.1	<0.018
Acenaphthylene^	0.21	0.21	1.05	<0.010
Anthracene	2.1	2.1	10.5	<0.0066
Benzo(a)anthracene	0.00013	0.00013	0.00065	<0.00013
Benzo(a)pyrene	0.0002	0.0002	0.002	<0.0002
Benzo(b)fluoranthene	0.00018	0.00018	0.0009	<0.00018
Benzo(g,h,i)perylene^	0.21	0.21	1.05	<0.00076
Benzo(k)fluoranthene	0.00017	0.00017	0.00085	<0.00017
Chrysene	0.0015	0.0015	0.0075	<0.0015
Dibenz(a,h)anthracene	0.0003	0.0003	0.0015	<0.0003
Fluoranthene	0.28	0.28	1.4	<0.0021
Fluorene	0.28	0.28	1.4	<0.0021
Indeno(1,2,3-cd)pyrene	0.00043	0.00043	0.00215	<0.00043
Naphthalene	0.14	0.14	0.22	<0.010
Phenanthrene^	0.21	0.21	1.05	<0.0064
Pyrene	0.21	0.21	1.05	<0.0027
^Temporary Objectives from additional tables -- 10/1/04				
Updated 12/20/04				

Summary of Tier 2 Calculations
 Aman Food and Gas
 2014-0247
 03/21/19

Table 3

Tier 1 Objectives

		Benzene		Toluene		Ethylbenzene		Total Xylenes		Naphthalene		MTBE	
Residential	Ingestion	12	mg/kg	16,000	mg/kg	7,800	mg/kg	16,000	mg/kg	1,600	mg/kg	780	mg/kg
	Inhalation	0.8	mg/kg	650	mg/kg	400	mg/kg	320	mg/kg	170	mg/kg	8,800	mg/kg
	Migration Class 1	0.03	mg/kg	12	mg/kg	13	mg/kg	150	mg/kg	12	mg/kg	0.32	mg/kg
	Migration Class 2	0.17	mg/kg	29	mg/kg	19	mg/kg	150	mg/kg	18	mg/kg	0.32	mg/kg
Industrial/Commercial	Ingestion	100	mg/kg	410,000	mg/kg	200,000	mg/kg	410,000	mg/kg	41,000	mg/kg	20,000	mg/kg
	Inhalation	1.60	mg/kg	650	mg/kg	400	mg/kg	320	mg/kg	270	mg/kg	8,800	mg/kg
Construction Worker	Ingestion	2,300	mg/kg	410,000	mg/kg	20,000	mg/kg	41,000	mg/kg	4,100	mg/kg	2,000	mg/kg
	Inhalation	2.20	mg/kg	42	mg/kg	58	mg/kg	5.6	mg/kg	1.80	mg/kg	140	mg/kg
Soil Saturation		580	mg/kg	290	mg/kg	150	mg/kg	110	mg/kg	73.25	mg/kg	8,400	mg/kg

Tier 2 SSL Objectives

		Benzene	Equation	Toluene	Equation	Ethylbenzene	Equation	Total Xylenes	Equation	Naphthalene	Equation	MTBE	
Residential	Ingestion	11.64	S-2	6,257.14	S-1	7,821	S-1	15,643	S-1	1,564	S-1	782.1	S-1
	Inhalation	2.15	S-6	51,627.16	S-4	12.99	S-6	1,697.95	S-4	228.71	S-4	41,939.24	S-4
	Migration Mass-Limit Class 1	0.23	S-28	45.75	S-28	32.03	S-28	457.54	S-28	6.41	S-28	3.20	S-28
	Migration Class 1	0.035	S-17	16.79	S-17	22.01	S-17	383.95	S-17	6.62	S-17	0.23	S-17
Industrial-Commercial	Ingestion	104.06	S-2	1,635,200	S-1	204,400	S-1	408,800	S-1	40,880	S-1	20,440	S-1
	Inhalation	4.12	S-6	82,194.80	S-4	24.82	S-6	2,703.29	S-4	364.13	S-4	66,770.82	S-4
	Migration Mass-Limit Class 1	0.23	S-28	45.75	S-28	32.03	S-28	457.54	S-28	6.41	S-28	3.20	S-28
	Migration Class 1	0.035	S-17	16.79	S-17	22.01	S-17	383.95	S-17	6.62	S-17	0.23	S-17
Construction Worker	Ingestion	2,258.21	S-3	163,236	S-1	10,202.26	S-1	81,618	S-1	122,427	S-1	61,214	S-1
	Inhalation	5.79	S-7	531.74	S-5	34.90	S-7	69.95	S-5	2.36	S-5	359.96	S-5
Soil Saturation		632.11	S-29	445.06	S-29	267.25	S-29	211.17	S-29	73.25	S-29	8,417.27	S-29

all values are in mg/kg

Site Specific Value cannot exceed Soil Saturation Limit, otherwise Tier 2 Inhalation or Tier 2 Migration objectives are the Soil Saturation objective
 Calculated value is less than Tier 1 Objective

Groundwater Contaminate Concentration Exceedances at Surface Water or Set Back Zone (mg/L)

	Benzene	Equation	Toluene	Equation	Ethylbenzene	Equation	Total Xylenes	Equation	Naphthalene	Equation	MTBE	
Result	#DIV/0!	R-26	#DIV/0!	R-26	#DIV/0!	R-26	#DIV/0!	R-26			#DIV/0!	R-26
Surface Water Objective	0.86		0.6		0.014		0.36					

Aman Food and Gas

2014-0247

Math for R-26 Calculations
 BENZENE MATH FOR VERTICAL SOIL MODELING AND R-26 MODELING OF VERTICAL MODELED SOIL (Attachment A)

Sample Location	C ₀ = (soil concentration at monitoring point) / (Equation S-17)		GW ₀ = C ₀ / DF		Conversion: 1 loc = 30.48 cm		R-16: α ₀ = 0.10 * X		R-17: α ₀ = α ₀ / Z		R-18: α ₀ = α ₀ / Z ²		Term 1' = [X / (Z * α ₀)]		Term 2' = [1 - SORT(1 - (4 * α ₀ * U))] / U					
	C ₀	DF	C ₀	DF	X (m)	X (cm)	α ₀ (cm)	α ₀ (cm)	α ₀ (cm)	α ₀ (cm)	α ₀ (cm)	α ₀ (cm)	X	Z	α ₀	Term 1'	Term 2'			
1	0.561	0.351	1.598	1.598	20.000	0.7928	153	4663.44	466.344	466.344	155.448	466.344	20	23.3172	4663.44	2	0.0009	466.344	1.78854	-0.3974
2	1.4	0.351	3.987	3.987	20.000	0.19933	204	6217.92	621.792	621.792	207.264	621.792	20	31.0836	6217.92	2	0.0009	621.792	1.78854	-0.5095
3	2.2	0.351	6.265	6.265	20.000	0.11224	230	7010.4	701.04	701.04	234.43	701.04	20	35.052	7010.4	2	0.0009	701.04	1.78854	-0.6528
4	1.63	0.351	4.642	4.642	20.000	0.22269	213	6492.24	649.224	649.224	216.408	649.224	20	32.4612	6492.24	2	0.0009	649.224	1.78854	-0.5168
5	0.14	0.351	0.399	0.399	20.000	0.01993	82	2499.36	249.936	249.936	83.312	249.936	20	12.4968	2499.36	2	0.0009	249.936	1.78854	-0.7260
6	0.483	0.351	1.318	1.318	20.000	0.06592	143	4356.84	435.684	435.684	145.268	435.684	20	21.7832	4356.84	2	0.0009	435.684	1.78854	-0.3702
7	0.131	0.351	0.430	0.430	20.000	0.02150	85	2621.78	262.178	262.178	87.376	262.178	20	13.0864	2621.78	2	0.0009	262.178	1.78854	-0.7360
8	0.3	0.351	0.867	0.867	20.000	0.29033	281	11612.88	1161.288	1161.288	387.096	1161.288	20	58.0644	11612.88	2	0.0009	1161.288	1.78854	-0.6233
9	0.78	0.351	2.218	2.218	20.000	0.03387	117	3566.16	356.616	356.616	118.872	356.616	20	17.8308	3566.16	2	0.0009	356.616	1.78854	-0.3106
10	0.0427	0.351	0.133	0.133	20.000	0.00845	19	579.12	57.912	57.912	19.304	57.912	20	2.8956	579.12	2	0.0009	57.912	1.78854	-0.6567
13	1.22	0.351	3.474	3.474	20.000	0.17370	195	5974.08	597.408	597.408	199.136	597.408	20	29.8704	5974.08	2	0.0009	597.408	1.78854	-0.4941
14	0.41	0.351	1.168	1.168	20.000	0.06498	137	4175.76	417.576	417.576	139.192	417.576	20	20.8768	4175.76	2	0.0009	417.576	1.78854	-0.3567
15	0.348	0.351	0.985	0.985	20.000	0.04328	178	3901.44	390.144	390.144	180.048	390.144	20	19.5072	3901.44	2	0.0009	390.144	1.78854	-0.3351
16	0.0637	0.351	0.181	0.181	20.000	0.00907	40	1219.2	121.92	121.92	40.64	121.92	20	6.096	1219.2	2	0.0009	121.92	1.78854	-0.1160

Sample Location	β ₀ = S ₀ / (4 * SORT(α ₀ * X))		β ₁ = S ₀ / (2 * SORT(α ₀ * X))		ERF(β ₁)		ERF(β ₂)		C ₀ = C ₀ * e ^(-Term 1' - Term 2') * ERF(β ₁) + erf(β ₂)	
	S ₀	DF	S ₀	DF	β ₁	β ₂	ERF(β ₁)	ERF(β ₂)	C ₀	mg/L
1	4736.72	4	SORT(155.448 + 4663.44)	1.74401	304.8	SORT(33.3172 + 4663.44)	0.482718	0.921473	0.488827	0.07983
2	4736.72	4	SORT(707.264 + 6217.92)	0.53281	304.8	SORT(31.0836 + 6217.92)	0.34652	0.811989	0.370205	0.19533
3	4736.72	4	SORT(233.68 + 7010.4)	0.87754	304.8	SORT(35.052 + 7010.4)	0.30744	0.758126	0.338280	0.33324
4	4736.72	4	SORT(216.408 + 6492.24)	0.89358	304.8	SORT(32.4612 + 6492.24)	0.33138	0.763669	0.361276	0.23205
5	4736.72	4	SORT(83.312 + 2499.36)	2.32114	304.8	SORT(12.4968 + 2499.36)	0.86733	0.99871	0.777350	0.01993
6	4736.72	4	SORT(145.268 + 4356.84)	1.33100	304.8	SORT(21.7832 + 4356.84)	0.48448	0.940708	0.515636	0.06592
7	4736.72	4	SORT(87.376 + 2621.78)	2.71318	304.8	SORT(13.0864 + 2621.78)	0.67222	0.938251	0.755086	0.02150
8	4736.72	4	SORT(387.096 + 11612.88)	0.49956	304.8	SORT(58.0644 + 11612.88)	0.18559	0.70789	2.89833	0.02116
9	4736.72	4	SORT(118.872 + 3566.16)	1.62878	304.8	SORT(17.8308 + 3566.16)	0.60436	0.925847	0.607843	0.03761
10	4736.72	4	SORT(19.304 + 579.12)	10.91756	304.8	SORT(2.8956 + 579.12)	1.37161	1.000000	2.8956	0.00665
13	4736.72	4	SORT(199.136 + 5974.08)	0.87109	304.8	SORT(29.8704 + 5974.08)	0.36077	0.830350	0.900927	0.360000
14	4736.72	4	SORT(139.192 + 4175.76)	1.38930	304.8	SORT(20.8768 + 4175.76)	0.51614	0.950556	0.05638	0.950556
15	4736.72	4	SORT(180.048 + 3901.44)	1.48639	304.8	SORT(19.5072 + 3901.44)	0.55243	0.964576	0.04926	0.964576
16	4736.72	4	SORT(40.64 + 1219.2)	4.76424	304.8	SORT(6.096 + 1219.2)	1.76777	1.000000	0.997381	0.00907

Aman Food and Gas

2014-0247

R-26 Calculations
 BENZENE MATH FOR R-26 MODELING OF GROUNDWATER (Attachment A)

Sample Location	GW Value	Conversion		R-18: $\alpha_s = 0.10 \cdot X$		R-17: $\alpha_s = \alpha_s / 3$		R-18: $\alpha_s = \alpha_s / 20$		Term 1' = $(X / (2 \cdot \alpha_s))$		Term 2' = $(1 - \text{SORT})1 - (4 \cdot \alpha_s) / (U)$	
		X (ft)	X (cm)	0.1 * X (cm)	α_s (cm)	α_s (cm) / 3	α_s (cm) / 20	X / 2	α_s = Term 1'	1 - SORT	1 - (4 * α_s) / U	Term 2'	
MW-3	0.084	156	4754.88	4754.88	1584.96	475.488	23.7744	4754.88	237.744	0.0009	1.78854	-0.3390	
MW-6	0.119	175	5334	5334	177.8	26.67	5334	266.7	0.0009	1.78854	-0.4400		

Sample Location	S_1	/ (4 * $\text{SORT} (\alpha_s + X))$	$\beta_1 = S_1 / (4 * \text{SORT} (\alpha_s + X))$	S_2	/ (2 * $\text{SORT} (\alpha_s + X))$	$\beta_2 = S_2 / (2 * \text{SORT} (\alpha_s + X))$	ERF(β_1)		ERF(β_2)		$C_{10} + C_{1000} \cdot e^{(Term 1' - Term 2')} = \text{erf}(\beta_1) + \text{erf}(\beta_2)$	
							Section 742 APPENDIX C Table G	G	$C_{1000} \cdot e^{(Term 1' - Term 2')}$	$\text{erf}(\beta_1) + \text{erf}(\beta_2)$	mg/L	
MW-3	4236.72	/ (4 * $\text{SORT} (1584.96 + 4754.88)$	1.22029	304.8	/ (2 * $\text{SORT} (23.7744 + 4754.88)$	0.45327	0.815658	0.478494	0.08400	0.815658	0.478494	0.006091
MW-6	4236.72	/ (4 * $\text{SORT} (177.8 + 5334)$	1.08767	304.8	/ (2 * $\text{SORT} (26.67 + 5334)$	0.40406	0.875983	0.437291	0.11800	0.875983	0.437291	0.00499

Aman Food and Gas

2014-0247

Math for R-26 Calculations
 TOLUENE MATH FOR VERTICAL SOIL MODELING AND R-26 MODELING OF VERTICAL MODELED SOIL (Attachment A)

Sample Location	C_s = (soil contamination at modeling point) / (Equation S-17)	C_s	C_s / DF	C_s / DF = GW_{ms} (mg/L)	Conversion: 1 foot = 30.48 cm	X (ft)	X (cm)	R-15: $a_s = 0.10 \cdot X$	R-17: $a_s = a_s / 3$	R-18: $a_s = a_s / 20$	Term 1 = $(X / (2 \cdot a_s))$	Term 2 = $(1 - \text{SORT}(1 - (4 \cdot a_s \cdot X) / (U^2)))$
8	133 / 0.840 = 158.333	158.333	158.333 / 20.000 = 7.91665	7.91665	14	426.72	0.1 = 426.72 = 42.672	42.672 / 3 = 14.224	42.672 / 20 = 2.1336	426.72 / 2 = 213.36	213.36 / 2 = 106.68	$1 - \text{SORT}(1 - (4 \cdot 2.1336 \cdot 426.72) / (1.78854)^2) = 0.81463$

Sample Location	$\beta_1 = S_u / (4 \cdot \text{SORT}(a_s \cdot X)) \cdot \beta_1$	$\beta_2 = S_u / (2 \cdot \text{SORT}(a_s \cdot X)) \cdot \beta_1$	ERF(β_1)	ERF(β_2)	$C_{10} = C_{ms} \cdot e^{(Term 1 - Term 2)} = \text{erf}(\beta_1) \cdot \text{erf}(\beta_2)$
8	$426.72 / (4 \cdot \text{SORT}(2.1336 \cdot 426.72)) \cdot 13.69528 = 204.8$	$426.72 / (2 \cdot \text{SORT}(2.1336 \cdot 426.72)) \cdot 13.69528 = 505.076$	1.000000	1.000000	$7.91665 \cdot e^{(106.68 - 106.68)} = 1.000000 \cdot 0.81463 = 0.81463$

Aman Food and Gas

2014-0247

Math for R-26 Calculations
ETHYLENE MATH FOR VERTICAL SOIL MODELING AND R-26 MODELING OF VERTICAL MODELED SOIL (Attachment A)

Sample Location	C _s = (soil concentration at modeling point) / (Equation S-17)		GW _{sp} = C _s / DF		Conversion: 1 foot = 30.48 cm		R-16 α _s = 0.10 * X			R-17 α _s = α _s / 3			R-18 α _s = α _s / 20			Term 1' = (X / (2 * α _s))		Term 2' = (1 - SORT(1 - (4 * λ * α _s / (U)))			
	C _s	DF	C _s	DF	X (ft)	X (cm)	α _s (ft)	α _s (cm)	α _s (ft)	α _s (cm)	α _s (ft)	α _s (cm)	X	2 * α _s	Term 1'	Term 2'	Term 1'	Term 2'			
2	28.2	1.572	17.938	17.938	5	152.4	0.1	15.24	0.333	5.08	1.524	15.24	2	30.48	0.572	15.24	1	0.003	15.24	1.78854	-0.9479
4	20.4	1.572	12.977	12.977	1	30.48	0.1	3.048	0.333	0.914	27.432	30.48	2	60.96	0.333	30.48	1	0.003	30.48	1.78854	-0.9102
8	34.7	1.572	22.073	22.073	10	304.8	0.1	30.48	0.333	10.16	30.48	20	60.96	0.333	30.48	1	0.003	30.48	1.78854	-0.9978	

Sample Location	β _s = S _u / (4 * SORT(α _s * X))		β _s = S _u / (2 * SORT(α _s * X))		ERF(β _s)	ERF(β _s)	C _u = C _{max} * e ^{(-β_s * (1 - e^{-β_s}))} * erf(β _s) + erf(β _s)	
	S _u	β _s	S _u	β _s	Section 742 APPENDIX C, Table C	Section 742 APPENDIX C, Table C	C _u	mg/L
2	4236.72	1.572	38.0672	1.572	1.000000	1.000000	0.88892	0.63836
4	4236.72	1.572	190.3359	1.572	1.000000	1.000000	0.64883	0.61665
8	4236.72	1.572	19.03359	1.572	1.000000	1.000000	1.0306	0.67783

Aman Food and Gas

2014-0247

Math for R-28 Calculations
TOTAL XYLENES MATH FOR VERTICAL SOIL MODELING AND R-28 MODELING OF VERTICAL MODELED SOIL (Attachment A)

Sample Location	C ₀ = (soil concentration at modeling point) / (Equation S-17)		GW ₀ = C ₀ / DF		Conversion: / Soil = 30.48 cm		R-16: α ₀ = 0.10 * X		R-17: α ₀ = α ₀ / 2		R-18: α ₀ = α ₀ / 20		Term 1* = X / (2 * α ₀)		Term 2* = (1 - SORT) * (4 * Δ * α ₀) / (U)	
	C ₀	DF	C ₀	DF	X (m)	X (cm)	α ₀ (cm)	α ₀ (cm)	α ₀ (cm)	α ₀ (cm)	X / 2	X / 20	X / 2	X / 20	X / 2	X / 20
1	19.1	1.970	9.69	20.000	0.43748	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
2	115	1.970	59.904	20.000	2.99521	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
3	8.27	1.970	4.308	20.000	0.21559	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
4	83.5	1.970	48.785	20.000	2.43523	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
7	7.48	1.970	3.896	20.000	0.19482	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
8	170	1.970	88.554	20.000	4.41770	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
9	20.1	1.970	13.596	20.000	0.67878	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
13	24.2	1.970	12.606	20.000	0.63020	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48
15	41.4	1.970	21.665	20.000	1.07877	30.48	0.1	30.48	3.048	3.048	1.524	30.48	1.524	30.48	1.524	30.48

Sample Location	β ₀ = S ₀ / (4 * SORT(α ₀ * X))		β ₁ = S ₀ / (2 * SORT(α ₀ * X))		ERF(β ₀)		ERF(β ₁)		C ₀ = C ₀ * (1 - ERF(β ₀) + ERF(β ₁))	
	S ₀	β ₀	S ₀	β ₁	ERF(β ₀)	ERF(β ₁)	ERF(β ₀)	ERF(β ₁)	C ₀	mg/L
1	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	0.49748	0.49748	0.49748	0.48167
2	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	2.99521	2.99521	2.99521	2.98009
3	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	0.21539	0.21539	0.21539	0.20855
4	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	2.43523	2.43523	2.43523	2.35789
7	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	0.19482	0.19482	0.19482	0.18883
8	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	4.41770	4.41770	4.41770	4.28787
9	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	0.67878	0.67878	0.67878	0.65819
13	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	0.63020	0.63020	0.63020	0.61078
15	4238.72	190.33359	304.8	78.71068	1.000000	1.000000	1.07877	1.07877	1.07877	1.04403

**Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
SSL Input Parameters for Use with Tier 2 Calculations**

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-0247 IEPALPC # (10-digit): 1610455194

Site Name: Aman Food and Gas

Site Address (not a P.O. Box): 1830 5th Avenue

City: Moline County: Rock Island Zip Code: 61265

Leaking UST Technical File

B. Tier 2 Calculation Information

Equation(s) Used (ex: S12,S17,S28): S5,6,7,8,9,10,17,18,19,20,21,22,24

Contact Information for Individual Who Performed Calculations:

0

Land Use: Residential Soil Type: Silt Loam

Groundwater: Class I Class II

Mass Limit: Yes No If Yes, then Specify Acreage: _____

- Mass Limit Acreage other than defaults must always be rounded up.
- Failure to use site-specific parameters where allowed could affect payment from the UST Fund
- Maps depicting source width, plume dimensions, distance, etc. must also be submitted.
- Inputs must be submitted in the designated unit.

AT (ingestion)	=	Residential = 6	yr
		Con. Worker = 0.115	yr
AT (inhalation)	=	Residential = 30	yr
		Con. Worker = 0.115	yr
AT _c	=	70	yr
BW	=	Res. (NonCarcinogen) = 15	kg
		Res. (Carcinogen) = 70	kg
		Con. Worker = 70	kg
C _{sat}	=	Benzene = 632.106	mg/kg
		Toluene = 445.059	mg/kg
		Ethylbenzene = 267.248	mg/kg
		Total Xylenes = 211.17	mg/kg
		MTBE = 8417.273	mg/kg
		Naphthalene = 73.253	mg/kg

d _a	=	3.048	m
d _s	=	3.048	m
DA	=	Benzene = 0.000226660726427154	cm ² /s
		Toluene = 0.00011030960375204	cm ² /s
		Ethylbenzene = 0.000060712169481304	cm ² /s
		Xylenes = 4.07922564333269E-05	cm ² /s
		MTBE = 6.01770689553174E-05	cm ² /s
		Naphthalene = 2.02347274161781E-06	cm ² /s

Incident # 2014-0247

C_w	=	Benzene = 0.1 mg/L Toluene = 20 mg/L Ethylbenzene = 22.008 mg/L Total Xylenes = 383.946 mg/L MTBE = 0.231 mg/L Naphthalene = 6.616 mg/L
d	=	4.146 m
ED (inhalation of carcinogens)	=	Residential = 30 yr Con. Worker = 1 yr
ED (ingestion of noncarcinogens)	=	Residential = 6 yr Con. Worker = 1 yr
ED (inhalation of noncarcinogens)	=	Residential = 30 yr Con. Worker = 1 yr
ED (ingestion of groundwater)	=	Residential = 30 yr Con. Worker = 1 yr
ED_{M-L}	=	70 yr
EF	=	Residential = 350 d/yr Con. Worker = 30 d/yr
$F(x)$	=	0.194 unitless
f_{oc}	=	0.0045 g/g
GW_{obj}	=	Benzene = 0.005 mg/L Toluene = 1 mg/L Ethylbenzene = 0.7 mg/L Total Xylenes = 10 mg/L MTBE = 0.07 mg/L Naphthalene = 0.14 mg/L
H'	=	Benzene = 0.23 unitless Toluene = 0.271 unitless Ethylbenzene = 0.324 unitless Total Xylenes = 0.271 unitless MTBE = 0.0241 unitless Naphthalene = 0.0198 unitless
i	=	0.059342105 m/m
l	=	0.3 m/yr
I_{M-L}	=	0.18 m/yr
$IF_{soil-adj}$	=	114 (mg-yr)/(kg-d)
IR_{soil}	=	Residential = 200 mg/d Con. Worker = 480 mg/d

D_i	=	Benzene = 0.088 cm ² /s Toluene = 0.087 cm ² /s Ethylbenzene = 0.075 cm ² /s Total Xylenes = 0.0735 cm ² /s MTBE = 0.102 cm ² /s Naphthalene = 0.0000075 cm ² /s
D_w	=	Benzene = 0.0000102 cm ² /s Toluene = 0.0000086 cm ² /s Ethylbenzene = 0.0000078 cm ² /s Total Xylenes = 0.00000923 cm ² /s MTBE = 0.000011 cm ² /s Naphthalene = 0.0000075 cm ² /s
DF	=	2.67496 unitless
ED (ingestion of carcinogens)	=	Con. Worker = 1 yr
K_{oc}	=	Benzene = 50 cm ³ /g or L/kg Toluene = 158 cm ³ /g or L/kg Ethylbenzene = 320 cm ³ /g or L/kg Total Xylenes = 398 cm ³ /g or L/kg MTBE = 11.5 cm ³ /g or L/kg Naphthalene = 500 cm ³ /g or L/kg
K_s	=	120 m/yr
L	=	23.1648 m
PEF	=	m ³ /kg
PEF'	=	m ³ /kg
Q/C (VF equations)	=	Residential = 68.81 (g/m ² -s)/(kg/m ³) Con. Worker = 85.81 (g/m ² -s)/(kg/m ³)
Q/C (PEF equations)	=	(g/m ² -s)/(kg/m ³)
RfC (mg/m ³)		Chronic Subchronic
Benzene	=	0.03 0.08
Toluene	=	5 5
Ethylbenzene	=	1 9
Total Xylenes	=	0.1 0.4
MTBE	=	3 2.5
Naphthalene	=	0.003 0.003
	=	NA

Incident # 2014-0247

IR _w	=	Residential = 2	L/d
K	=	47.304	m/yr
K _d (non-ionizing organics)	=	Benzene = 0.225	cm ² /g or L/kg
		Toluene = 0.711	cm ² /g or L/kg
		Ethylbenzene = 1.44	cm ² /g or L/kg
		Total Xylenes = 1.791	cm ² /g or L/kg
		MTBE = 0.05175	cm ² /g or L/kg
		Naphthalene = 2.25	cm ² /g or L/kg
K _d (ionizing organics)	=		cm ² /g or L/kg
K _d (inorganics)	=		cm ² /g or L/kg
VF ¹	=	Benzene = 530.246	m ³ /kg
		Toluene = 760.079	m ³ /kg
		Ethylbenzene = 1024.537	m ³ /kg
		Total Xylenes = 1249.904	m ³ /kg
		MTBE = 1029.082	m ³ /kg
		Naphthalene = 5611.993	m ³ /kg
			m ³ /kg
			m ³ /kg
VM _{M-L}	=	#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
VF ¹ _{M-L}	=	#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
		#VALUE!	m ³ /kg
η	=	0.315	L _{pore} /L _{soil}
θ _a	=	0.113	L _{air} /L _{soil}

RfD _o mg/(kg-d)	Chronic	Subchronic
Benzene	= 0.004	0.012
Toluene	= 0.08	0.8
Ethylbenzene	= 0.1	0.05
Total Xylenes	= 0.2	0.4
MTBE	= 0.01	0.3
Naphthalene	= 0.02	0.6
	=	0.2
	=	NA
	=	NA
	=	NA
S	=	Benzene = 1800 mg/L Toluene = 530 mg/L Ethylbenzene = 170 mg/L Total Xylenes = 110 mg/L MTBE = 51000 mg/L Naphthalene = 31 mg/L
SF _o	=	Benzene = 0.055 (mg/kg-d) ⁻¹ Toluene = NA (mg/kg-d) ⁻¹ Ethylbenzene = 0.011 (mg/kg-d) ⁻¹ Total Xylenes = NA (mg/kg-d) ⁻¹ MTBE = NA (mg/kg-d) ⁻¹ Naphthalene = NA (mg/kg-d) ⁻¹
T	=	Residential = 9.5E08 s Con. Worker = 3.6 x 10 ⁶ s
T _{M-L}	=	30 yr
THQ	=	1 unitless
TR	=	1.00E-06 unitless
U _m	=	4.69 m/s
URF	=	Benzene = 7.8 x 10 ⁻⁶ (µg/m ³) ⁻¹
U _t	=	11.32 m/s
V	=	0.5 unitless
VF	=	Benzene = 6907.197 m ³ /kg Toluene = 9901.098 m ³ /kg Ethylbenzene = 13346.031 m ³ /kg Total Xylenes = 16281.753 m ³ /kg MTBE = 13405.237 m ³ /kg Naphthalene = 73104.036 m ³ /kg
		m ³ /kg
		m ³ /kg
		m ³ /kg
		m ³ /kg
		m ³ /kg
		m ³ /kg
		m ³ /kg

Incident # 2014-0247

θ_w	=	0.202	L_{water}/L_{soil}
ρ_b	=	1.807	kg/l or g/cm ³
ρ_s	=	2.637	g/cm ³
ρ_w	=	1	g/cm ³
$1/(2b+3)$	=	0.074	unitless

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
RBCA Input Parameters for Use with Tier 2 Calculations

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-0247 IEPA LPC # (10-digit): 1610455194
 Site Name: Aman Food and Gas
 Site Address (not a P.O. Box): 1830 5th Avenue
 City: Moline County: Rock Island Zip Code: 61265

Leaking UST Technical File

B. Tier 2 Calculation Information

Equation(s) Used (ex: R12,R14,R26): R16, R17, R18,R19, R21, R22, R23, R24,R26

Contact Information for Individual Who Performed Calculations:

0

Land Use: Residential Soil Type: Silt Loam

Groundwater: Class I Class II

Mass Limit: Yes No If Yes, then Specify Acreage: _____

Objective from S17 used in R26? Yes No

If Yes, then Specify C_{source} from S17 See Attached mg/L.

- Mass Limit Acreage other than defaults must always be rounded up.
- Failure to use site-specific parameters where allowed could affect payment from the UST Fund
- Maps depicting source width, plume dimensions, distance, etc. must also be submitted.
- Inputs must be submitted in the designated unit.

AT _c	=	70	yr
AT _n	=	Residential = 30 Con. Worker = 0.115	yr
BW	=	70	yr
C _{source}	=	See Attached	mg/L
C _(s)	=	See Attached	mg/L
d	=	100	cm

D ^{bu}	=	See Attached	cm ² /s
D ^{water}	=	See Attached	cm ² /s
D _s ^{off}	=	See Attached	cm ² /s
ED	=	Residential = 30 Con. Worker = 1	yr
EF	=	Residential = 350 Con. Worker = 30	d/yr

erf	=	See Attached	unitless
f _{oc}	=	0.0045	g/g
GW _{comp}	=	See Attached	mg/L
GW _{source}	=	See Attached	mg/L
H'	=	See Attached	cm ³ _{water} /cm ³ _{soil}
i	=	0.059342105	cm/cm
I	=	30	cm/yr
IR _{air}	=	20	m ³ /d
IR _{soil}	=	Residential = 100 Con. Worker = 480	mg/d
IR _w	=	Residential = 2	L/d
K	=	12.960 4730.400	cm/d cm/yr
K _{oc}	=	See Attached	cm ³ /g or L/kg
k _o (non-ionizing organics)	=	See Attached	cm ³ _{water} /g _{soil}
k _o (ionizing organics)	=	Not Applicable	cm ³ _{water} /g _{soil}
k _o (inorganics)	=	Not Applicable	cm ³ _{water} /g _{soil}
L _s	=	100	cm
LF _w	=	See Attached	(mg/L _{water})/(mg/L _{soil})
M	=	0.5	mg/cm ²
Pe	=	6.9 · 10 ⁻¹⁴	g/cm ² ·s
RAF _d	=	0.5	unitless
α _s	=	See Attached	cm
α _v	=	See Attached	cm
α _z	=	See Attached	cm
λ	=	See Attached	d ⁻¹
π	=	3.1416	
τ	=	9.46 · 10 ⁸	s

RAF _d (PNAs)	=	0.05	unitless
RAF _d (inorganics)	=	0	unitless
RAF _o	=	1	unitless
RBSL _{air} (carcinogenic)	=	See Attached	μg/m ³
RBSL _{air} (noncarcinogenic)	=	See Attached	μg/m ³
RID _i	=	See Attached	mg/kg-d
SA	=	3.160	cm ² /d
S _d	=	200.0	cm
S _w	=	4,236.7	cm
SF _i	=	See Attached	(mg/kg-d) ⁻¹
SF _o	=	See Attached	(mg/kg-d) ⁻¹
THQ	=	1	unitless
TR	=	1.00E-06	unitless
U	=	1.7885	cm/d
U _{air}	=	225	cm/s
U _{gw}	=	4730.459	cm/y
VF _p	=	3.97133E-12	kg/m ³
VF _{amb}	=	See Attached	(mg/m ³ ·m)/(mg _{water} /g _{soil} or kg/m ³)
VF _{ss}	=	See Attached	kg/m ³
W	=		cm
w	=	0.18	g _{water} /g _{soil}
δ _{air}	=	200	cm
δ _{gw}	=	200	cm
θ _{es}	=	0.10474	cm ³ _{air} /cm ³ _{soil}
θ _{wg}	=	0.32526	cm ³ _{water} /cm ³ _{soil}
θ _T	=	0.43	cm ³ /cm ³ _{soil}
ρ _b	=	1.807	g/cm ³
ρ _w	=	1	g/cm ³

Tier 2 Industrial/Commercial Calculations for Benzene

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19

SSL
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Input Values

Holcomb's Bulk Density	0	Converted Value to be used in calculation sheet	-	USDA Soil Classification:	Silt Loam
Organic Matter (%)	0	FOC % (0.58 conversion)	0.000	Organic Matter (mg/kg)	0
				FOC mg/kg (0.58 conversion)	0.000
				loc conversion to g/g:	0.000
1.807	ρ_d - Dry Soil Bulk Density			1.5 or: Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific	
2.637	ρ_s - Soil Particle Density			2.65 or: Site Specific	
0.113	α_a - Air Filled Soil Porosity	0.113	Value from S-21	Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)	
0.202	α_w - Water Filled Soil Porosity	0.202	Value from S-20	Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.16; Clay = 0.17; or Calculated Value (S20)	
0.315	η - SSL: Total Soil Porosity	0.315	Value from S-24	0.43 or: Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24)	
0.0593421	i - Hydraulic Gradient			Site Specific	
0.005	f_{oc} - Total Organic Carbon (g/g)			Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific	
20.000	DF - Dilution Factor	2.675	Value from S-22	If calculated value for DF is less than 20, then 20 default is used, else calculated value is used	
4.147	d - Mixing Zone (m)	4.147	Value from S-25	2; or calculated value	
3.048	d_s - Depth of source (m)		feet = 10	Depth of Source (Vertical thickness of contamination)	
47.30	K - Hydraulic Conductivity (m/yr)	cm/sec = 1.50E-04	Site Specific	1.30E+01	cm/d
23.165	L - Source Length Parallel to Groundwater Flow (m)		feet = 76	Site Specific (m)	
3.048	d_a - Aquifer Thickness (m)		feet = 10	Site Specific (m)	
0.3	I - Infiltration Rate (m/yr)			0.3 for Illinois	
120	K_s - Saturated Hydraulic Conductivity			See Table K for Input Values	
0.005	GW_{obj} - Groundwater Remediation Objective Class 1			0.025	GW_{obj} - Groundwater Remediation Objective Class 2
0.074	$1/(2b+3)$ - Exponent for S20			See Table K for Input Values	
70	BW - Body Weight			Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70	
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens			114	
50	IR_{soil} - Soil Ingestion Rate			Residential = 200; Industrial/Commercial = 50; Construction Worker = 480	
0.055	SF_o - Oral Slope Factor			Benzene = 0.055	
1	IR_w - Daily Water Ingestion Rate			Residential = 2; Industrial/Commercial = 1	
1800	S - Solubility in Water			Benzene = 1750	
1.0E-06	TR - Target Cancer Risk			Residential = 10^{-6} ; Industrial/Commercial = 10^{-6} ; Construction Worker = 10^{-6} at point of human exposure	
70	AT_c - Average Time for Carcinogens			170	
7.80E-06	URF - Inhalation Unit Risk Factor			Benzene = 7.8×10^{-6}	
250	EF - Exposure Frequency			Residential = 350; Industrial/Commercial = 250; Construction Worker = 30	
25	ED - Exposure Duration for Inhalation to Carcinogens			Residential = 30; Industrial/Commercial = 25; Construction Worker = 1	
68.81	Q/C - Inverse of the mean concentration at the center of a square source			Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H	
7.90E+08	T - Exposure Interval			Residential = 9.5×10^8 ; Industrial/Commercial = 7.9×10^8 ; Construction Worker = 3.6×10^8	
30	T_{ML} - Exposure Interval for MLL Limit Volatilization Factor Equation S26			30	
70	ED_{ML} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28			70	
0.18	i_{ML} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28			0.18	
0.088	D_a - Diffusivity in Air			Benzene = 0.088	
0.23	H' - Henry's Law Constant			Benzene = 0.228	
1.02E-05	D_w - Diffusivity in Water			Benzene = 9.8×10^{-6}	
50	K_{oc} - Organic Carbon Partition Coefficient			Benzene = 58.9	

Industrial/Commercial Ingestion Tier II Benzene Objective

$$S-3 = \frac{TR \times BW \times AT_c \times 365}{SI_a \times 10^{-6} \times EF \times ED \times IR_{soil}} = \frac{1.0E-06 \times 70 \times 70 \times 365}{0.055 \times 1.00E-06 \times 250 \times 25 \times 50} = \frac{1.8E+00}{1.72E-02} = 104.058 \text{ mg/kg}$$

Construction Worker Ingestion Tier II Benzene Objective

$$S-3 = \frac{TR \times BW \times AT_c \times 365}{SI_a \times 10^{-6} \times EF \times IR_{soil}} = \frac{1.0E-06 \times 70 \times 70 \times 365}{0.055 \times 1.00E-06 \times 30 \times 480} = \frac{1.8E+00}{7.92E-04} = 2259.21 \text{ mg/kg}$$

000600

Tier 2 Industrial/Commercial Calculations for Benzene

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Industrial Commercial Inhalation Tier II Objective

$$S-6 = \frac{TR \times ATc \times 365}{URF \times 1000 \times EF \times ED \times 1/VF} = \frac{1.0E-06 \times 70 \times 365}{7.80E-06 \times 1000 \times 250 \times 25 \times (1/7.85E+03)} = \frac{0.02555}{6.21E-03} = 4.117 \text{ mg/kg}$$

Construction Worker Inhalation Tier II Objective

$$S-7 = \frac{TR \times ATc \times 365}{URF \times 1000 \times EF \times ED \times 1/VF} = \frac{1.0E-06 \times 70 \times 365}{7.80E-06 \times 1000 \times 30 \times 1 \times (1/5.30E+01)} = \frac{0.02555}{4.41E-03} = 5.790 \text{ mg/kg}$$

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$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 2.27E-04 \times 7.90E+08)^{1/2} \times 0.0001}{(2 \times 1.807 \times 2.27E-04)} = \frac{6.4343}{0.0008} = 7854.8878$$

Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 2.27E-04 \times 3.60E+06)^{1/2} \times 0.0001}{(2 \times 1.807 \times 2.27E-04)} = \frac{0.4344}{0.0008} = 530.2464$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF' = \frac{VF}{10} = \frac{530.2464}{10} = 53.0246$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(D_s^{2.33} \times D_s \times H) + (D_w^{2.33} \times D_w)}{n^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_s \times H)}$$

$$= \frac{(7.03E-04 \times 0.088 \times 0.230) + (0.0049 \times 1.02E-05)}{0.0992} \times \frac{1}{(1.807 \times 0.225) + 0.20 + (0.113 \times 0.230)} = 2.27E-04$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(\theta_w + \theta_s \times H)}{\rho_b} \right] = 0.1 \times \left[0.225 + \frac{0.202 + 0.113 \times 0.230}{1.807} \right] = 0.035 \text{ mg/kg}$$

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Tier 2 Industrial/Commercial Calculations for Benzene
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Target Soil Leachate Concentration (Class 1)

$$S-18 = C_w = \frac{DF \times GW_{oc}}{DF \times GW_{oc}} = 20.00 \times 0.005 = 0.1$$

Soil-Water Partition Coefficient

$$S-19 = K_d = K_{oc} \times f_{oc} = 50.00 \times 0.005 = 0.225$$

Water-Filled Porosity

$$S-20 = \Theta_w = \eta \times \frac{1}{K_s}^{1/(2b-2)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

Air-Filled Porosity

$$S-21 = \Theta_a = \eta - \Theta_w = 0.32 - 0.20 = 0.1130$$

Dilution Factor

$$S-22 = DF = 1 + \frac{K \times i \times d}{I \times L} = \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} + 1 = 2.6750$$

GW Ingestion

$$S-23 = \frac{TR \times BW \times AL_c \times 365}{SF_o \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 70 \times 70 \times 365}{0.055 \times 1.000 \times 250 \times 25} = \frac{1.8E+00}{343.75} = 0.0052 \text{ mg/L}$$

Total Soil Porosity

$$S-24 = \eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$$

Estimation of Mixing Zone Depth

$$S-25 = d = (0.0112 \times L^2)^{0.5} + d_o \left[1 - \exp \left(\frac{-(L \times I)}{(K \times i \times d_o)} \right) \right]$$

$$= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(\frac{-23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048} \right) \right] = 4.147 \text{ m}$$

Soil Saturation Limit

$$S-29 = C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \Theta_w + (H' \times \Theta_a)] = \frac{1800}{1.807} \times [(0.225 \times 1.807) + 0.202 + (0.230 \times 0.113)] = 632.11 \text{ mg/kg}$$

Soil Gas Outdoor Inhalation

$$S-30 = RO_s g = \frac{RO_{soil} \times H \times X \times \rho_b \times 1000}{H' \times X \Theta_a + \Theta_w + K_d \times \rho_b} = \frac{4.117 \times 0.230 \times 1.807 \times 1000}{2.300E-01 \times 0.113 + 0.202 + 0.225 \times 1.807} = 2,696.29 \text{ mg/m}^3$$

000900

Tier 2 Industrial/Commercial Calculations for Toluene

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19

SSL
RBCA

SSL & RBCA
IRIS/HEAST

Input Values

Parameter	Value	Notes	USDA Soil Classification
Holcomb's Bulk Density	0	Converted Value to be used in calculation sheet	Silt Loam
Organic Matter (%)	0	FOC % (0.58 conversion)	0.000
1.807	ρ_b - Dry Soil Bulk Density	1.5 or; Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific	
2.637	ρ_s - Soil Particle Density	2.65 or; Site Specific	
0.113	θ_a - Air Filled Soil Porosity	0.113 Value from S-21 Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)	
0.202	θ_w - Water Filled Soil Porosity	0.202 Value from S-20 Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.16; Clay = 0.17; or Calculated Value (S20)	
0.315	n - SSL - Total Soil Porosity	0.315 Value from S-24 0.43 or; Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24 or R23)	
0.0593421	i - Hydraulic Gradient	Site Specific	
0.005	f_{oc} - Total Organic Carbon (g/g)	Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific	
20.000	DF - Dilution Factor	2.675 Value from S-22 If calculated value for DF is less than 20, then 20 default is used, else calculated value is used	
4.147	d - Mixing Zone (m)	4.147 Value from S-25 2; or calculated value	
3.048	d_s - Depth of source (m)	feet = 10 Depth of Source (Vertical thickness of contamination)	
47.30	K - Hydraulic Conductivity (m/yr)	cm/sec = 1.50E-04 Site Specific 1.30E+01 cm/d 4.73E+03 cm/yr	Use cm/d for R15, R19, & R26.1 cm/yr for R24
23.165	L - Source Length Parallel to Groundwater Flow (m)	feet = 76 Site Specific (m)	
3.048	d_a - Aquifer Thickness (m)	feet = 10 Site Specific (m)	
0.3	i - Infiltration Rate (m/yr)	0.3 for Illinois	
120	K_s - Saturated Hydraulic Conductivity	See Table K for Input Values	
1.000	GW_{obj} - Groundwater Remediation Objective Class 1	2.5 GW_{obj} - Groundwater Remediation Objective Class 2	
0.074	$1/(2b+3)$ - Exponent for S20	See Table K for Input Values	
15	BW - Body Weight	Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70	
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens	114	
50	IR_{soil} - Soil Ingestion Rate	Residential = 200; Industrial/Commercial = 50; Construction Worker = 480	
1	IR_w - Daily Water Ingestion Rate	Residential = 2; Industrial/Commercial = 1	
530	S - Solubility in Water	Toluene = 526	
1.0E-06	TR - Target Cancer Risk	Residential = 10^{-6} ; Industrial/Commercial = 10^{-6} ; Construction Worker = 10^{-6} at point of human exposure	
250	EF - Exposure Frequency	Residential = 350; Industrial/Commercial = 250; Construction Worker = 30	
25	ED - Exposure Duration for Inhalation for Non-Carcinogens	Residential = 30; Industrial/Commercial = 25; Construction Worker = 1	
68.81	Q/C - Inverse of the mean concentration at the center of a square source	Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H	
7.90E+08	T - Exposure Interval	Residential = 9.5×10^8 ; Industrial/Commercial = 7.9×10^8 ; Construction Worker = 3.6×10^8	
30	T_{MLL} - Exposure Interval for MLL Limit Volatilization Factor Equation S26	30	
70	ED_{MLL} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28	70	
0.18	i_{MLL} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28	0.18	
0.087	D_a - Diffusivity in Air	Toluene = 0.087	
0.271	H' - Henry's Law Constant	Toluene = 0.272	
8.60E-06	D_w - Diffusivity in Water	Toluene = 8.6×10^{-6}	
25	AT - Average Time for Non-Carcinogens In Ingestion Equation	Residential = 6; Industrial/Commercial = 25; Construction Worker = 0.115	
25	AT - Average Time for Non-Carcinogens In Inhalation Equation	Residential = 30; Industrial/Commercial = 25; Construction Worker = 0.115	
1	THQ - Target Hazard Quotient	1	
5	IRIC - Inhalation Reference Concentration	Chronic = 5; Subchronic = 5	
0.8	IRID _o - Oral Reference Dose	Chronic = 0.08; Subchronic = 0.8	
158.00	K_{oc} - Organic Carbon Partition Coefficient	Toluene = 182	

Industrial/Commercial Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-4} \times (1/IRID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 25 \times 365}{0.000001 \times 1/0.8 \times 250 \times 25 \times 50} = \frac{638750}{0.390625} = 1635200 \text{ mg/kg}$$

Construction Worker Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-4} \times (1/IRID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 0.115 \times 365}{0.000001 \times 1/0.8 \times 30 \times 1 \times 480} = \frac{2938.25}{0.018} = 163236 \text{ mg/kg}$$

Industrial Commercial Inhalation

$$S-4 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/IRIC \times 1/VF)} = \frac{1 \times 25 \times 365}{250 \times 25 \times 1/5 \times 1/11259.56108} = \frac{9125}{0.111017} = 82194.796 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

Inhalation Non-Carcinogenic Construction Worker

$$S-5 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/IRIC \times 1/VF)} = \frac{1 \times 0.115 \times 365}{30 \times 1 \times 1/5 \times 1/76.00797564} = \frac{41.975}{0.078939} = 531.739 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

RESIDENTIAL OR COMMERCIAL

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{3.14 \times 1.10E-04 \times 7.90E+08}{2 \times 1.807 \times 1.10E-04} \times 0.0001 = \frac{4.4887}{3.99E-04} = 11259.5611$$

Tier 2 Industrial/Commercial Calculations for Toluene

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Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 1.10E-04 \times 3.60E+06)^{1/2} \times 0.0001}{(2 \times 1.807 \times 1.10E-04)} = \frac{0.3030}{3.99E-04} = 760.0798$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF' = \frac{VF}{10} = \frac{760.0798}{10} = 76.0080$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(\theta_w^{2.22} \times D_i \times H) + (\theta_w^{2.22} \times D_w)}{\eta^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_o \times H)}$$

$$= \frac{(7.03E-04 \times 0.087 \times 0.271) + (0.0049 \times 8.60E-06)}{0.0992} \times \frac{1}{(1.807 \times 0.711) + 0.20 + (0.113 \times 0.271)} = 1.10E-04$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(\theta_w + \theta_o \times H)}{\rho_b} \right] = 20 \times \left[0.711 + \frac{0.202 + 0.113 \times 0.271}{1.807} \right] = 16.795 \text{ mg/kg}$$

Target Soil Leachate Concentration (Class 1)

$$S-18 = C_w = DF \times GW_{obj} = 20.00 \times 1.000 = 20$$

Soil-Water Partition Coefficient

$$S-19 = K_d = K_{oc} \times f_{oc} = 158.00 \times 0.005 = 0.711$$

Water-Filled Porosity

$$S-20 = \theta_w = \eta \times \frac{1}{K_c}^{1/(2b-3)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

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Tier 2 Industrial/Commercial Calculations for Toluene

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Air-Filled Porosity

$$S-21 = \Theta_a = \eta \cdot \Theta_w = 0.32 \cdot 0.20 = 0.1130$$

Dilution Factor

$$S-22 = DF = 1 + \frac{K \times i \times d}{1 \times L} = \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} + 1 = 2.6750$$

GW Ingestion

$$S-23 = \frac{TR \times BW \times A_L \times 365}{SF_g \times IR_g \times EF \times ED} = \frac{1.0E-06 \times 15 \times 0 \times 365}{0.000 \times 1.000 \times 250 \times 25} = \frac{0.0E+00}{0} = \#DIV/0! \text{ mg/L}$$

Total Soil Porosity

$$S-24 = \eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$$

Estimation of Mixing Zone Depth

$$S-25 = d = (0.0112 \times L^2)^{0.5} + d_0 \left[1 - \exp \left(\frac{(-L \times J)}{(K \times i \times d_0)} \right) \right]$$

$$= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(\frac{-23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048} \right) \right] = 4.147 \text{ m}$$

Soil Saturation Limit

$$S-29 = C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \Theta_w + (H' \times \Theta_a)] = \frac{530}{1.807} \times [(0.711 \times 1.807) + 0.202 + (0.271 \times 0.113)] = 445.06 \text{ mg/kg}$$

Soil Gas Outdoor Inhalation

$$S-30 = RO_s g = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \Theta_a + \Theta_w + K_d \times \rho_b} = \frac{445.059 \times 0.271 \times 1.807 \times 1000}{2.710E-01 \times 0.113 + 0.202 + 0.711 \times 1.807} = 143,630.00 \text{ mg/m}^3$$

Exceeds Saturation Value

000698

Tier 2 Industrial/Commercial Calculations for Ethylbenzene

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19

SSL
RBCA
IRIS/HEAST

Input Values

Holcomb's Bulk Density	0	Converted Value to be used in calculation sheet	--	USDA Soil Classification: Silt Loam
Organic Matter (%)	0	FOC % (0.58 conversion)	0.000	Organic Matter (mg/kg) 0
				FOC mg/kg (0.58 conversion) 0.000
				loc conversion to g/g: 0.000
1.807	ρ_s - Dry Soil Bulk Density			1.5 or, Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific
2.637	ρ_s - Soil Particle Density			2.65 or, Site Specific
0.113	θ_a - Air Filled Soil Porosity	0.113	Value from S-21	Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)
0.202	θ_w - Water Filled Soil Porosity	0.202	Value from S-20	Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.16; Clay = 0.17; or Calculated Value (S20)
0.315	n - SSL: Total Soil Porosity	0.315	Value from S-24	0.43 or, Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24)
0.0593421	i - Hydraulic Gradient			Site Specific
0.005	f_{oc} - Total Organic Carbon (g/g)			Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific
20.000	DF - Dilution Factor	2.675	Value from S-22	If calculated value for DF is less than 20, then 20 default is used, else calculated value is used
4.147	d - Mixing Zone (m)	4.147	Value from S-25	2; or calculated value
3.048	d_s - Depth of source (m)		feet = 10	Depth of Source (Vertical thickness of contamination)
47.30	K - Hydraulic Conductivity (m/yr)	cm/sec = 1.50E-04		Site Specific 1.30E+01 cm/d 4.73E+03 m/yr [Use cm/d for R15, R19, & R26.1 cm/yr for R24]
23.165	L - Source Length Parallel to Groundwater Flow (m)	feet = 76		Site Specific (m)
3.048	d_a - Aquifer Thickness (m)	feet = 10		Site Specific (m)
0.3	I - Infiltration Rate (m/yr)			0.3 for Illinois
120	K_s - Saturated Hydraulic Conductivity			See Table K for Input Values
0.700	GW_{obj} - Groundwater Remediation Objective Class 1			1 GW_{obj} - Groundwater Remediation Objective Class 2
0.074	$1/(2b+3)$ - Exponent for S20			See Table K for Input Values
70	BW - Body Weight			Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens			114
50	IR_{soil} - Soil Ingestion Rate			Residential = 200; Industrial/Commercial = 50; Construction Worker = 480
1	IR_w - Daily Water Ingestion Rate			[Residential = 2; Industrial/Commercial = 1
170	S - Solubility in Water			Ethylbenzene = 169
1.0E-06	TR - Target Cancer Risk			Residential = 10 ⁻⁶ ; Industrial/Commercial = 10 ⁻⁶ ; Construction Worker = 10 ⁻⁶ at point of human exposure
250	EF - Exposure Frequency			Residential = 350; Industrial/Commercial = 250; Construction Worker = 30
25	ED - Exposure Duration for Inhalation for Non-Carcinogens			Residential = 30; Industrial/Commercial = 25; Construction Worker = 1
68.81	Q/C - Inverse of the mean concentration at the center of a square source			Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H
7.90E+08	T - Exposure Interval			Residential = 9.5 x 10 ⁸ ; Industrial/Commercial = 7.9 x 10 ⁸ ; Construction Worker = 3.6 x 10 ⁸
30	T_{MCL} - Exposure Interval for MCL Limit Volatilization Factor Equation S26			30
70	ED_{MCL} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28			70
0.18	i_{MCL} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28			0.18
0.075	D_i - Diffusivity in Air			Ethylbenzene = 0.075
0.324	H' - Henry's Law Constant			Ethylbenzene = 0.323
7.80E-06	D_w - Diffusivity in Water			Ethylbenzene = 7.8 x 10 ⁻⁶
25	AT - Average Time for Non-Carcinogens In Ingestion Equation			Residential = 6; Industrial/Commercial = 25; Construction Worker = 0.115
25	AT - Average Time for Non-Carcinogens In Inhalation Equation			Residential = 30; Industrial/Commercial = 25; Construction Worker = 0.115
1	THQ - Target Hazard Quotient			1
1	RIC - Inhalation Reference Concentration			Chronic = 1; Subchronic = 9
0.1	RID _o - Oral Reference Dose			Chronic = 0.1; Subchronic = 0.05
320.00	K_{oc} - Organic Carbon Partition Coefficient			Ethylbenzene = 363

Industrial/Commercial Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 25 \times 365}{0.000001 \times 1/0.1 \times 250 \times 25 \times 50} = \frac{638750}{3.125} = 204400 \text{ mg/kg}$$

Construction Worker Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 0.115 \times 365}{0.000001 \times 1/0.05 \times 30 \times 1 \times 480} = \frac{2938.25}{0.288} = 10202 \text{ mg/kg}$$

Industrial Commercial Inhalation

$$S-4 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIC) \times (1/VF)} = \frac{1 \times 25 \times 365}{250 \times 25 \times 1/1 \times 15177.15073} = \frac{9125}{0.411803} = 22159 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

Industrial Commercial Inhalation Objective (Carcinogen)

$$S-6 = \frac{TR \times ATc \times 365}{URF \times 1000 \times EF \times ED \times (1/VF)} = \frac{0.000001 \times 70 \times 365}{2.5E-06 \times 1000 \times 250 \times 25.0000 \times 1/15177.1507} = \frac{0.02555}{0.00103} = 24.818 \text{ mg/kg}$$

Tier 2 Inhalation Objective does not exceed Tier 1 Objective

Construction Worker Inhalation Objective (Carcinogen)

$$S-7 = \frac{TR \times ATc \times 365}{URF \times 1000 \times EF \times ED \times (1/VF)} = \frac{0.000001 \times 70 \times 365}{2.5E-06 \times 1000 \times 30 \times 1.0000 \times 1/102.4538} = \frac{0.02555}{0.000732} = 34.903 \text{ mg/kg}$$

Tier 2 Inhalation Objective does not exceed Tier 1 Objective

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Tier 2 Industrial/Commercial Calculations for Ethylbenzene

Aman Food and Gas
2014-0247

Inhalation Non-Carcinogenic Construction Worker

$$S-5 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIIC \times 1/VF)} = \frac{1 \times 0.115 \times 365}{30 \times 1 \times 1/9 \times 1/102.453772} = \frac{41.975}{0.032535} = 1290.149 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

RESIDENTIAL OR COMMERCIAL

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 6.07E-05 \times 7.90E+08)^{1/2} \times 0.0001}{(2 \times 1.807 \times 6.07E-05)} = \frac{3.3301}{2.19E-04} = 15177.1507$$

Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 6.07E-05 \times 3.60E+06)^{1/2} \times 0.0001}{(2 \times 1.807 \times 6.07E-05)} = \frac{0.2248}{2.19E-04} = 1024.5377$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF' = \frac{VF}{10} = \frac{1024.5377}{10} = 102.4538$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(\theta_w^{1.33} \times D_v \times H) + (\theta_w^{1.33} \times D_w)}{\eta^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_o \times H)}$$

$$= \frac{(7.03E-04 \times 0.075 \times 0.324) + (0.0049 \times 7.80E-06)}{0.0992} \times \frac{1}{(1.807 \times 1.44) + 0.20 + (0.113 \times 0.324)} = 6.07E-05$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(\theta_w + \theta_o \times H)}{\rho_b} \right] = 14 \times \left[1.44 + \frac{0.202 + 0.113 \times 0.324}{1.807} \right] = 22.009 \text{ mg/kg}$$

Target Soil Leachate Concentration (Class 1)

$$S-18 = C_w = DF \times GW_{obj} = 20.00 \times 0.700 = 14$$

Soil-Water Partition Coefficient

$$S-19 = K_d = K_{oc} \times f_{oc} = 320.00 \times 0.005 = 1.44$$

Water-Filled Porosity

$$S-20 = \theta_w = \eta \times \frac{1}{K_r}^{1/(2b-3)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

000700

Tier 2 Industrial/Commercial Calculations for Ethylbenzene

Aman Food and Gas
2014-0247

Air-Filled Porosity

$$S-21 = \theta_a = \eta \cdot \theta_w = 0.32 \cdot 0.20 = 0.1130$$

Dilution Factor

$$S-22 = DF = 1 + \frac{K \times i \times d}{l \times L} = \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} + 1 = 2.6750$$

GW Ingestion

$$S-23 = \frac{TR \times BW \times AL_c \times 365}{SF_o \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 70 \times 0 \times 365}{0.000 \times 1.000 \times 250 \times 25} = \frac{0.0E+00}{0} = \text{\#DIV/0!} \text{ mg/L}$$

Total Soil Porosity

$$S-24 = \eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$$

Estimation of Mixing Zone Depth

$$S-25 = d = (0.0112 \times L^2)^{0.5} + d_o \left[1 - \exp \left(\frac{-L \times l}{K \times i \times d_o} \right) \right]$$

$$= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(\frac{-23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048} \right) \right] = 4.147 \text{ m}$$

Soil Saturation Limit

$$S-29 = C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \theta_w + (H' \times \theta_a)] = \frac{170}{1.807} \times [(1.44 \times 1.807) + 0.202 + (0.324 \times 0.113)] = 267.25 \text{ mg/kg}$$

Soil Gas Outdoor Inhalation

$$S-30 = RO_s g = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \theta_a + \theta_w + K_d \times \rho_b} = \frac{267.248 \times 0.324 \times 1.807 \times 1000}{3.240E-01 \times 0.113 + 0.202 + 1.440 \times 1.807} = 55,080.00 \text{ mg/m}^3$$

000701

Tier 2 Industrial/Commercial Calculations for Total Xylenes

Aman Food and Gas
2014-0247

Date Compiled: 03/21/19

SSL
RBCA
IRIS/HEAST

Input Values

Holcomb's Bulk Density	0	Converted Value to be used in calculation sheet	-	USDA Soil Classification: Silt Loam
Organic Matter (%)	0	FOC % (0.58 conversion)	0.000	Organic Matter (mg/kg) 0
				FOC mg/kg (0.58 conversion) 0.000
				foc conversion to g/g: 0.000
1.807	ρ_b - Dry Soil Bulk Density		1.5 or: Gravel = 2.0; Sand = 1.8; Silt = 1.6; Clay = 1.7; or Site Specific	
2.637	ρ_s - Soil Particle Density		2.65 or: Site Specific	
0.113	θ_a - Air Filled Soil Porosity	0.113	Value from S-21 Top 1 meter = 0.28; below 1 meter = 0.13; Gravel = 0.05; Sand = 0.14; Silt = 0.24; Clay = 0.19; or Calculated Value (S21)	
0.202	θ_w - Water Filled Soil Porosity	0.202	Value from S-20 Top 1 meter = 0.15; below 1 meter = 0.30; Gravel = 0.20; Sand = 0.18; Silt = 0.16; Clay = 0.17; or Calculated Value (S20)	
0.315	η - SSL: Total Soil Porosity	0.315	Value from S-24 0.43 or: Gravel = 0.25; Sand = 0.32; Silt = 0.40; Clay = 0.36; or Calculated Value (S24)	
0.0593421	i - Hydraulic Gradient		Site Specific	
0.005	f_{oc} - Total Organic Carbon (g/g)		Surface Soil = 0.006; Subsurface Soil = 0.002; or Site Specific	
20.000	DF - Dilution Factor	2.675	Value from S-22 If calculated value for DF is less than 20, then 20 default is used, else calculated value is used	
4.147	d - Mixing Zone (m)	4.147	Value from S-25 2; or calculated value	
3.048	d_s - Depth of source (m)		feet = 10	
47.30	K - Hydraulic Conductivity (m/yr)	cm/sec = 1.50E-04	Site Specific	1.30E+01 cm/d 4.73E+03 cm/yr Use cm/d for R15, R19, & R26; cm/yr for R24
23.165	L - Source Length Parallel to Groundwater Flow (m)	feet = 76	Site Specific (m)	
3.048	d_a - Aquifer Thickness (m)	feet = 10	Site Specific (m)	
0.3	I - Infiltration Rate (m/yr)		0.3 for Illinois	
120	K_s - Saturated Hydraulic Conductivity		See Table K for Input Values	
10.000	GW_{obj} - Groundwater Remediation Objective Class 1		10 GW_{obj} - Groundwater Remediation Objective Class 2	
0.074	$1/(2b+3)$ - Exponent for S20		See Table K for Input Values	
70	BW - Body Weight		Residential = 70 (carcinogenic); 15 (non-carcinogenic); Industrial/Commercial = 70; Construction Worker = 70; RBCA = 70	
114	IF_{adj} - Age Adjusted Soil Ingestion Factor for Carcinogens		114	
50	IR_{soil} - Soil Ingestion Rate		Residential = 200; Industrial/Commercial = 50; Construction Worker = 480	
1	IR_w - Daily Water Ingestion Rate		Residential = 2; Industrial/Commercial = 1	
110	S - Solubility in Water		Total Xylenes = 186	
1.0E-06	TR - Target Cancer Risk		Residential = 10 ⁻⁶ ; Industrial/Commercial = 10 ⁻⁶ ; Construction Worker = 10 ⁻⁶ at point of human exposure	
250	EF - Exposure Frequency		Residential = 350; Industrial/Commercial = 250; Construction Worker = 30	
25	ED - Exposure Duration for Inhalation for Non-Carcinogens		Residential = 30; Industrial/Commercial = 25; Construction Worker = 1	
68.81	Q/C - Inverse of the mean concentration at the center of a square source		Residential = 68.81; Industrial/Commercial = 85.81; Construction Worker = 85.81; or Table H	
7.90E+08	T - Exposure Interval		Residential = 9.5 x 10 ⁸ ; Industrial/Commercial = 7.9 x 10 ⁸ ; Construction Worker = 3.6 x 10 ⁸	
30	T_{ML} - Exposure Interval for MLL Limit Volatilization Factor Equation S26		30	
70	ED_{ML} - Exposure Duration for Migration to Groundwater Mass-Limit Equation S28		70	
0.18	f_{ML} - Infiltration Rate for Migration to Groundwater Mass-Limit Equation S28		0.18	
0.074	D_a - Diffusivity in Air		Total Xylenes = 0.072	
0.271	H' - Henry's Law Constant		Total Xylenes = 0.25	
9.23E-06	D_w - Diffusivity in Water		Total Xylenes = 9.34 x 10 ⁻⁶	
25	AT - Average Time for Non-Carcinogens In Ingestion Equation		Residential = 6; Industrial/Commercial = 25; Construction Worker = 0.115	
25	AT - Average Time for Non-Carcinogens In Inhalation Equation		Residential = 30; Industrial/Commercial = 25; Construction Worker = 0.115	
1	THQ - Target Hazard Quotient		1	
0.1	RIC - Inhalation Reference Concentration		Chronic = 0.1; Subchronic = 0.4	
0.2	RID _o - Oral Reference Dose		Chronic = 0.2; Subchronic = 0.4	
398.00	K_{oc} - Organic Carbon Partition Coefficient		Total Xylenes = 260	

Industrial/Commercial Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 25 \times 365}{0.000001 \times 1/0.2 \times 250 \times 25 \times 50} = \frac{638750}{1.5625} = 408800 \text{ mg/kg}$$

Construction Worker Ingestion Remediation Objectives for Non-Carcinogenic Contaminants

$$S-1 = \frac{THQ \times BW \times AT \times 365}{10^{-6} \times (1/RID_o) \times EF \times ED \times IR_{soil}} = \frac{1 \times 70 \times 0.115 \times 365}{0.000001 \times 1/0.4 \times 30 \times 1 \times 480} = \frac{2938.25}{0.036} = 81618 \text{ mg/kg}$$

Industrial Commercial Inhalation

$$S-4 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIC \times 1/VF)} = \frac{1 \times 25 \times 365}{250 \times 25 \times 1/0.1 \times 1/18515.66263} = \frac{9125}{3.375520567} = 2703.287 \text{ mg/kg}$$

Tier 2 Inhalation Objective cannot exceed Soil Saturation Limit

Inhalation Non-Carcinogenic Construction Worker

$$S-5 = \frac{THQ \times AT \times 365}{EF \times ED \times (1/RIC \times 1/VF)} = \frac{1 \times 0.115 \times 365}{30 \times 1 \times 1/0.4 \times 1/124.990488} = \frac{41.975}{0.600045661} = 69.953 \text{ mg/kg}$$

RESIDENTIAL OR COMMERCIAL

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 4.08E-05 \times 7.90E+08)^{1/2} \times 0.0001}{(2 \times 1.807 \times 4.08E-05)} = \frac{2.7296}{1.47E-04} = 18515.6626$$

000702

Tier 2 Industrial/Commercial Calculations for Total Xylenes

Aman Food and Gas
2014-0247

Construction Worker

$$S-8 = VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2} \times 10^{-4}}{(2 \times \rho_b \times D_A)} = 85.81 \times \frac{(3.14 \times 4.08E-05 \times 3.60E+06)^{1/2} \times 0.0001}{(2 \times 1.807 \times 4.08E-05)} = \frac{0.1843}{1.47E-04} = 1249.9049$$

Equation for Derivation of Volatilization Factor - Construction Worker

$$S-9 = VF' = \frac{VF}{10} = \frac{1249.9049}{10} = 124.9905$$

Equation for Derivation of Apparent Diffusivity

$$S-10 = D_A = \frac{(\theta_s^{2.33} \times D_i \times H) + (\theta_w^{2.33} \times D_w)}{\eta^2} \times \frac{1}{(\rho_b \times K_d) + \theta_w + (\theta_s \times H)}$$

$$= \frac{(7.03E-04 \times 0.074 \times 0.271) + (0.0049 \times 9.23E-06)}{0.0992} \times \frac{1}{(1.807 \times 1.791) + 0.20 + (0.113 \times 0.271)} = 4.08E-05$$

Soil Component of the Migration to Groundwater Cleanup Objective (Class 1)

$$S-17 = C_w \times \left[K_d + \frac{(\theta_w + \theta_s \times H)}{\rho_b} \right] = 200 \times \left[1.791 + \frac{0.202 + 0.113 \times 0.271}{1.807} \right] = 383.947 \text{ mg/kg}$$

Tier 2 Soil Component of GW Ingestion Objective cannot exceed Soil Saturation Limit

Target Soil Leachate Concentration (Class 1)

$$S-18 = C_w = \frac{DF \times GW_{OH}}{DF \times GW_{OH}} = 20.00 \times 10.000 = 200$$

Soil-Water Partition Coefficient

$$S-19 = K_d = K_{oc} \times f_{oc} = 398.00 \times 0.005 = 1.791$$

Water-Filled Porosity

$$S-20 = \theta_w = \eta \times \frac{1}{K_a}^{1/(70-3)} = 0.32 \times \left[\frac{0.300}{120.000} \right]^{0.074} = 0.2022$$

000703

Tier 2 Industrial/Commercial Calculations for Total Xylenes

Aman Food and Gas
2014-0247

Air-Filled Porosity

$$S-21 = \Theta_a = \eta \cdot \Theta_w = 0.32 \cdot 0.20 = 0.1130$$

Dilution Factor

$$S-22 = DF = 1 + \frac{K \times i \times d}{1 \times L} = \frac{47.30 \times 0.0593 \times 4.147}{0.300 \times 23.165} + 1 = 2.6750$$

GW Ingestion

$$S-23 = \frac{TR \times BW \times A_L \times 365}{SF_o \times IR_w \times EF \times ED} = \frac{1.0E-06 \times 70 \times 0 \times 365}{0.000 \times 1.000 \times 250 \times 25} = \frac{0.0E+00}{0} = \#DIV/0! \text{ mg/L}$$

Total Soil Porosity

$$S-24 = \eta = 1 - \frac{\rho_b}{\rho_s} = 1 - \frac{1.807}{2.637} = 0.3148$$

Estimation of Mixing Zone Depth

$$S-25 = d = (0.0112 \times L^2)^{0.5} + d_o \left[1 - \exp \left(-\frac{(L \times i)}{(K \times i \times d_o)} \right) \right]$$

$$= (0.0112 \times 23.165^2)^{0.5} + 3.048 \times \left[1 - \exp \left(-\frac{23.165 \times 0.3}{47.304 \times 0.0593 \times 3.048} \right) \right] = 4.147 \text{ m}$$

Soil Saturation Limit

$$S-29 = C_{sat} = \frac{S}{\rho_b} \times [(K_d \times \rho_b) + \Theta_w + (H' \times \theta_a)] = \frac{110}{1.807} \times [(1.791 \times 1.807) + 0.202 + (0.271 \times 0.113)] = 211.17 \text{ mg/kg}$$

Soil Gas Outdoor Inhalation

$$S-30 = RO_s \text{ g} = \frac{RO_{soil} \times H \times \rho_b \times 1000}{H' \times \Theta_a + \Theta_w + K_d \times \rho_b} = \frac{69.953 \times 0.271 \times 1.807 \times 1000}{2.710E-01 \times 0.113 + 0.202 + 1.791 \times 1.807} = 9,874.94 \text{ mg/m}^3$$

000704

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2014-0247

Appendix C - Table K
Parameter Estimates for Calculating Water - Filled Soil Porosity (Ow)

Soil Texture	Saturated Hydraulic Conductivity (Ks) (m/yr)	1/ (2b+3)
Sand	1830	0.09
Loamy Sand	540	0.085
Sandy Loam	230	0.08
Silt Loam	120	0.074
Loam	60	0.073
Sandy Clay Loam	40	0.058
Silt Clay Loam	13	0.054
Clay Loam	20	0.05
Sandy Clay	10	0.042
Silt Clay	8	0.042
Clay	5	0.039

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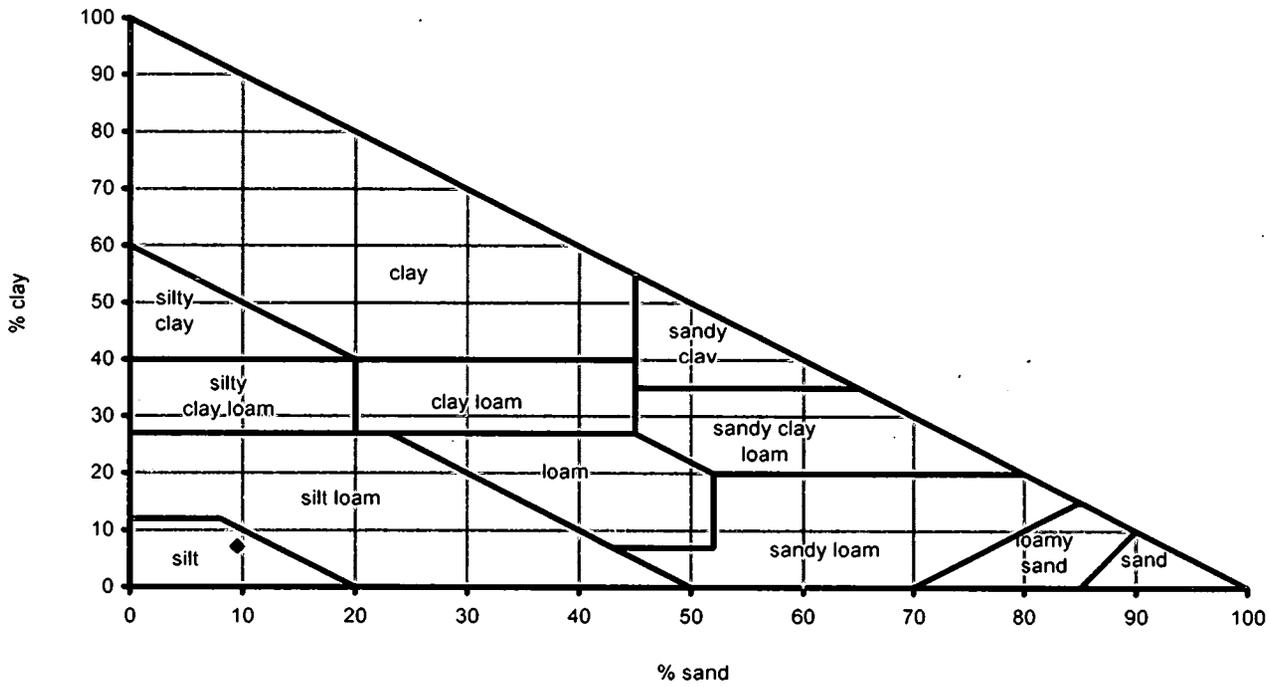


SLI Work Order: 1604H25
SLI Sample ID: 1604H25-005C

Analysis Date: 5/4/2016

% SAND % CLAY % SILT
9.6 7.1 83.32

Soil Classification: Silt



Textural triangle by A. Gerakis and B. Baer, 26 July 2000.

Bouwer & Rice Method
Version 2.00
6/18/1995

Notice to users: Each user will determine the accuracy of this program and its suitability to a particular purpose before basing any decisions upon program results. All risks of such decisions will be borne by the user. Please notify CSA of any suspected errors in the program.

©Creative Scientific Applications Calculation Status

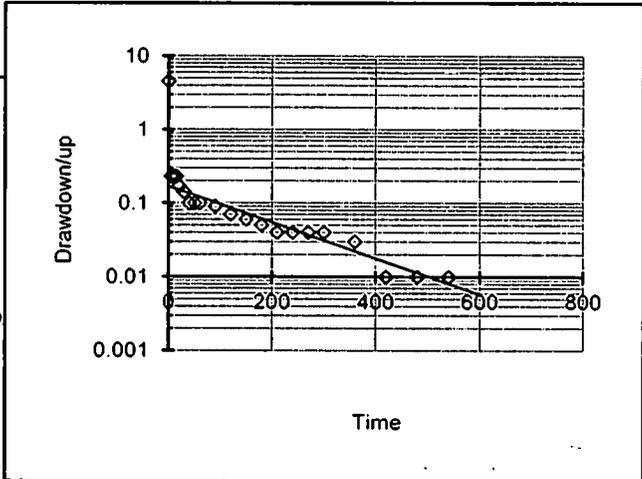
Automatic Calculation

Bouwer & Rice Method for Calculating Hydraulic Conductivity

Project Name: Aman Food & Gas
Client Name: Aman Food & Gas
Analysis By: MDR/MJS
Run Date: 4/19/2016

Project No.: 2014-0247
Identification: MW-1

Riser Pipe Diameter: 0.1667 feet
Intake Diameter: 0.604 feet
Intake Length: 10 feet
Saturated Column Length: 9.58 feet
Water Table Depth: 8.85 feet
Aquifer Thickness: 10 feet
Line Fit Starting No.: 2 Min 1 to
Line Fit Ending No.: 18 Max 22
Specify Output Units: 7 1 to 9
Hyd. Cond., K(h): 1.50E-04 cm./sec.
Error of Fit: 0.966



Meas. #	Time seconds	Field Meas. feet	Drawdown/up feet	Line Fit To LN(Yt)	Regression On LN(Yt)
1)	0.00	4.30	4.55	1.515	-1.778
2)	5.00	8.62	0.23	-1.470	-1.806
3)	10.00	8.62	0.23	-1.470	-1.834
4)	15.00	8.62	0.23	-1.470	-1.862
5)	20.00	8.68	0.17	-1.772	-1.890
6)	30.00	8.71	0.14	-1.966	-1.947
7)	40.00	8.75	0.10	-2.303	-2.003
8)	50.00	8.75	0.10	-2.303	-2.059
9)	60.00	8.75	0.10	-2.303	-2.115
10)	90.00	8.76	0.09	-2.408	-2.284
11)	120.00	8.78	0.07	-2.659	-2.453
12)	150.00	8.79	0.06	-2.813	-2.621
13)	180.00	8.80	0.05	-2.996	-2.790
14)	210.00	8.81	0.04	-3.219	-2.959
15)	240.00	8.81	0.04	-3.219	-3.127
16)	270.00	8.81	0.04	-3.219	-3.296
17)	300.00	8.81	0.04	-3.219	-3.465
18)	360.00	8.82	0.03	-3.507	-3.802

19)	420.00	8.84	0.01		-4.605	-4.139
20)	480.00	8.84	0.01		-4.605	-4.477
21)	540.00	8.84	0.01		-4.605	-4.814
22)	600.00	8.85	0.00		#NUM!	-5.151

APPENDIX F

OSFM ELIGIBILITY DETERMINATION

CORRECTIVE ACTION COMPLETION REPORT

AMAN FOOD AND GAS MOLINE, ILLINOIS

Office of the Illinois

State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"



CERTIFIED MAIL - RECEIPT REQUESTED #7014 1820 0001 3148 5009

January 8, 2015

Jeet Singh
c/o CW3M Company
P.O. Box 571
Carlinville, IL 62626

In Re: Facility No. 3-008580
 IEMA Incident No. 14-0247
 Aman Food & Gas
 1830 5th Avenue
 Moline, Rock Island Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on November 17, 2014 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

It has been determined that you are eligible to seek payment of costs in excess of \$5,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

- Tank 1 5,000 gallon Gasoline
- Tank 2 3,000 gallon Gasoline
- Tank 3 4,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government,
2. The tank does not contain fuel which is exempt from the Motor Fuel Tax Law,
3. The costs were incurred as a result of a confirmed release of any of the following substances:

 "Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

 Aviation fuel

 Heating oil

 Kerosene

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.
5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.
6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.
7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.504(b)).

For information regarding the filing of an appeal, please contact:

Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620

The following tanks are also listed for this site:

Tank 4 4,000 gallon Gasoline
Tank 5 6,000 gallon Gasoline

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,



Deanne Lock
Administrative Assistant
Division of Petroleum and Chemical Safety

cc: IEPA
CW3M Company

APPENDIX G

GROUNDWATER ORDINANCE DOCUMENTATION

CORRECTIVE ACTION COMPLETION REPORT

AMAN FOOD AND GAS MOLINE, ILLINOIS

Aman Food and Gas Groundwater Ordinance Property Notification List				
Owner Name	Property Address	Parcel ID Number	Certified Letter Sent (Yes/No)	Owner Mailing Address
MIMG LXX LeClaire	1801 5 th Avenue	08-32-222-001	Yes	PO Box 9222, Coppell, TX 75019
MIMG LXX LeClaire	1815 5 th Avenue	08-32-228-002	Yes	PO Box 9222, Coppell, TX 75019
MIMG LXX LeClaire	1819 5 th Avenue	08-32-228-003	Yes	PO Box 9222, Coppell, TX 75019
Joe Lacaeyse	1720 5 th Avenue	08-32-404-002	Yes	8 Dearborn Square, Kankakee, IL 60901
Hnguyuen LLC	1810 5 th Avenue	08-32-402-001	Yes	1570 36 th Avenue, Suite 3, Moline, IL 61265
Hnguyuen LLC	1818 5 th Avenue	08-32-402-002	Yes	1570 36 th Avenue, Suite 3, Moline, IL 61265
Joseph Fromi	1801 6 th Avenue	08-32-402-004	Yes	
Moline Dispatch	1815 6 th Avenue	08-32-402-005	Yes	8 Dearborn Square, Kankakee, IL 60901
Moline Dispatch	1821 6 th Avenue	08-32-402-006	Yes	8 Dearborn Square, Kankakee, IL 60901

CW[®]M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

September 30, 2019

Certified Mail # 7019 0140 0000 3117 6396

MIMG LXX Leclair/Corelog
PO BOX 9222
Coppell, TX 75019

Re: Notice for Groundwater Ordinance Reliance

To Whom It May Concern:

Aman Food and Gas is performing an environmental response action at the property located at 1830 5th Avenue, Moline, Rock Island County, Illinois. The response action is being performed because of a release of petroleum from underground storage tanks at the site. The response action consists of defining the contamination plume, and Ill. Adm. Code 742 has been utilized to gain closure of the incident.

To protect human health, Illinois regulations require that Aman Food and Gas either clean up groundwater contamination or demonstrate that the groundwater in the area of the release will not be used as potable water. (Groundwater is the water beneath the ground stored in the pores of soil and rock; some communities and homeowners pump this water out of wells to supply potable water. Potable means fit for human consumption including drinking, bathing, preparing food, washing dishes, and so forth.)

The City of Moline, 619 16th Street, Moline, Rock Island County, Illinois has adopted an ordinance that strictly prohibits the human and domestic consumption of the groundwater beneath your properties. Under Illinois regulations, a local ordinance that effectively prohibits the installation and use of potable water supply wells may be used as an institutional control to allow contamination above the groundwater ingestion remediation objectives to remain in the groundwater (35 Ill. Adm. Code 742.1015). (An institutional control is a legal mechanism for imposing a restriction on land use.) The Illinois Environmental Protection Agency (Illinois EPA) has determined that the ordinance adopted by the City of Moline meets the regulatory requirements for use as an institutional control. Aman Food and Gas has requested and has been granted approval from the Illinois EPA to use the groundwater ordinance as an institutional control.

Your properties, located at 1801 5th Avenue in Moline; Parcel I.D. # 0832222001, 1815 5th Avenue in Moline; Parcel I.D. # 0832222002 and, 1819 5th Avenue in Moline; Parcel I.D. # 0832222003, are included in the area affected by the ordinance. This means that you cannot install or use a private, potable water well on your properties. Based on the remediation objectives established in reliance on this ordinance, groundwater beneath your properties may not be suitable for human or domestic consumption. Illinois regulations require that you be notified of these facts.

The ordinance is identified as Ordinance No. 98-10-2 and also Ordinance No. 3022-2010. If you wish to obtain a copy of the ordinance, please contact the City of Moline by mail at 619 16th Street, Moline, Rock Island County, Illinois or by telephone at (309) 524-2001. To learn more about Aman Food and Gas, please contact us either by mail at 701 South Grand Avenue West, Springfield, Illinois 62704, or by telephone at (217) 522-8001, or the Illinois EPA, Bureau of Land Project Manager, Eric Kuhlman, by mail at 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, or by telephone at (217) 785-5715.

You may also obtain a copy of the complete Illinois EPA file on Aman Food and Gas. To do so, you will need to submit a written request with your signature to the Freedom of Information Act (FOIA) Officer, Illinois EPA, Bureau of Land, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276. When requesting a copy of the file, please reference the file heading shown below:

LPC: 1610455194– Rock Island County
Moline, Illinois / Aman Food & Gas
1830 5th Avenue, Moline, Illinois
Incident Number 2014-0247

FOIA requests may also be requested through the Illinois EPA's web page at www.epa.state.il.us/foia.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*



FAQs >

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Tracking Number: 70190140000031176396

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Your item was delivered at 4:08 am on October 9, 2019 in COPPELL, TX 75019.

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COPPELL, TX 75019		
OFFICIAL USE		
Certified Mail Fee	\$3.50	
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.55	
Total Postage and Fees	\$4.05	
Sent to	MIMG LXX LeClaire/Corelog	
Street and Apt. No., or PO Box No.	PO Box 9222	
City, State, ZIP+4®	Coppell, TX 75019	
PS Form 3800, April 2015 PSN 7530-02-000-904 See Reverse for Instructions		

See Less ^

CW²M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

September 30, 2019

Certified Mail # 7019 0140 0000 3117 6433

Joe Lacaeyse/Dispatch
8 Dearborn Square
Kankakee, IL 60901

Re: Notice for Groundwater Ordinance Reliance

To Whom It May Concern:

Aman Food and Gas is performing an environmental response action at the property located at 1830 5th Avenue, Moline, Rock Island County, Illinois. The response action is being performed because of a release of petroleum from underground storage tanks at the site. The response action consists of defining the contamination plume, and Ill. Adm. Code 742 has been utilized to gain closure of the incident.

To protect human health, Illinois regulations require that Aman Food and Gas either clean up groundwater contamination or demonstrate that the groundwater in the area of the release will not be used as potable water. (Groundwater is the water beneath the ground stored in the pores of soil and rock; some communities and homeowners pump this water out of wells to supply potable water. Potable means fit for human consumption including drinking, bathing, preparing food, washing dishes, and so forth.)

The City of Moline, 619 16th Street, Moline, Rock Island County, Illinois has adopted an ordinance that strictly prohibits the human and domestic consumption of the groundwater beneath your property. Under Illinois regulations, a local ordinance that effectively prohibits the installation and use of potable water supply wells may be used as an institutional control to allow contamination above the groundwater ingestion remediation objectives to remain in the groundwater (35 Ill. Adm. Code 742.1015). (An institutional control is a legal mechanism for imposing a restriction on land use.) The Illinois Environmental Protection Agency (Illinois EPA) has determined that the ordinance adopted by the City of Moline meets the regulatory requirements for use as an institutional control. Aman Food and Gas has requested and has been granted approval from the Illinois EPA to use the groundwater ordinance as an institutional control.

Your property, located at 1720 5th Avenue in Moline; Parcel I.D. # 0832404002, is included in the area affected by the ordinance. This means that you cannot install or use a private, potable water well on your property. Based on the remediation objectives established in reliance on this ordinance, groundwater beneath your property may not be suitable for human or domestic consumption. Illinois regulations require that you be notified of these facts.

The ordinance is identified as Ordinance No. 98-10-2 and also Ordinance No. 3022-2010. If you wish to obtain a copy of the ordinance, please contact the City of Moline by mail at 619 16th Street, Moline, Rock Island County, Illinois or by telephone at (309) 524-2001. To learn more about Aman Food and Gas, please contact us either by mail at 701 South Grand Avenue West, Springfield, Illinois 62704, or by telephone at (217) 522-8001, or the Illinois EPA, Bureau of Land Project Manager, Eric Kuhlman, by mail at 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, or by telephone at (217) 785-5715.

You may also obtain a copy of the complete Illinois EPA file on Aman Food and Gas. To do so, you will need to submit a written request with your signature to the Freedom of Information Act (FOIA) Officer, Illinois EPA, Bureau of Land, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276. When requesting a copy of the file, please reference the file heading shown below:

LPC: 1610455194– Rock Island County
Moline, Illinois / Aman Food & Gas
1830 5th Avenue, Moline, Illinois
Incident Number 2014-0247

FOIA requests may also be requested through the Illinois EPA's web page at www.epa.state.il.us/foia.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

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FAQs >

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October 7, 2019 at 8:19 am
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KANKAKEE, IL 60901

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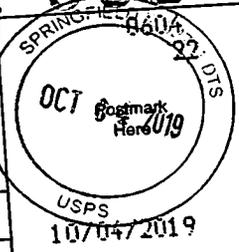
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KANKAKEE, IL 60901

Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.55
Total Postage and Fees	\$4.05



Sent To Joe Lacaeyse/Dispatch

Street and Apt. No., or PO Box No.
8 Dearborn Square

City, State, ZIP+4® Kankakee, Illinois 60901

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

EEH9 LTTE 0000 0140 0140 0140 0140

v
v
v

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CW²M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

September 30, 2019

Certified Mail # 7019 0140 0000 3117 6402

Hnguyuen LLC
1570 36th Ave STE 3
Moline, IL 61265

Re: Notice for Groundwater Ordinance Reliance

To Whom It May Concern:

Aman Food and Gas is performing an environmental response action at the property located at 1830 5th Avenue, Moline, Rock Island County, Illinois. The response action is being performed because of a release of petroleum from underground storage tanks at the site. The response action consists of defining the contamination plume, and Ill. Adm. Code 742 has been utilized to gain closure of the incident.

To protect human health, Illinois regulations require that Aman Food and Gas either clean up groundwater contamination or demonstrate that the groundwater in the area of the release will not be used as potable water. (Groundwater is the water beneath the ground stored in the pores of soil and rock; some communities and homeowners pump this water out of wells to supply potable water. Potable means fit for human consumption including drinking, bathing, preparing food, washing dishes, and so forth.)

The City of Moline, 619 16th Street, Moline, Rock Island County, Illinois has adopted an ordinance that strictly prohibits the human and domestic consumption of the groundwater beneath your properties. Under Illinois regulations, a local ordinance that effectively prohibits the installation and use of potable water supply wells may be used as an institutional control to allow contamination above the groundwater ingestion remediation objectives to remain in the groundwater (35 Ill. Adm. Code 742.1015). (An institutional control is a legal mechanism for imposing a restriction on land use.) The Illinois Environmental Protection Agency (Illinois EPA) has determined that the ordinance adopted by the City of Moline meets the regulatory requirements for use as an institutional control. Aman Food and Gas has requested and has been granted approval from the Illinois EPA to use the groundwater ordinance as an institutional control.

Your properties, located at 1818 5th Avenue in Moline; Parcel I.D. # 0832402002 and 1810 5th Avenue in Moline; Parcel I.D. #0832402001, are included in the area affected by the ordinance. This means that you cannot install or use a private, potable water well on your properties. Based on the remediation objectives established in reliance on this ordinance, groundwater beneath your properties may not be suitable for human or domestic consumption. Illinois regulations require that you be notified of these facts.

The ordinance is identified as Ordinance No. 98-10-2 and also Ordinance No. 3022-2010. If you wish to obtain a copy of the ordinance, please contact the City of Moline by mail at 619 16th Street, Moline, Rock Island County, Illinois or by telephone at (309) 524-2001. To learn more about Aman Food and Gas, please contact us either by mail at 701 South Grand Avenue West, Springfield, Illinois 62704, or by telephone at (217) 522-8001, or the Illinois EPA, Bureau of Land Project Manager, Eric Kuhlman, by mail at 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, or by telephone at (217) 785-5715.

You may also obtain a copy of the complete Illinois EPA file on Aman Food and Gas. To do so, you will need to submit a written request with your signature to the Freedom of Information Act (FOIA) Officer, Illinois EPA, Bureau of Land, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276. When requesting a copy of the file, please reference the file heading shown below:

LPC: 1610455194– Rock Island County
Moline, Illinois / Aman Food & Gas
1830 5th Avenue, Moline, Illinois
Incident Number 2014-0247

FOIA requests may also be requested through the Illinois EPA's web page at www.epa.state.il.us/foia.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*



FAQs >

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Tracking Number: 70190140000031176402

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Your item was delivered to the front desk, reception area, or mail room at 10:06 am on October 7, 2019 in MOLINE, IL 61265.

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Aman G W Ord.

Feedback

Delivered

October 7, 2019 at 10:06 am
Delivered, Front Desk/Reception/Mail Room
MOLINE, IL 61265

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7019 0140 0000 3117 6402

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<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$10.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.55	
Total Postage and Fees \$4.05	
Sent To: Hnguyuen LLC	
Street and Apt. No., or PO Box No. 1570 36th Ave Suite 3	
City, State, ZIP+4® Moline, IL 61265	

SPRINGFIELD, IL 62767-0604
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USPS

Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

See Less ^

CW²M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

September 30, 2019

Certified Mail # 7019 0140 0000 3117 6426

Joseph M Fromi
1801 6th Avenue
Moline, IL 61265

Re: Notice for Groundwater Ordinance Reliance

Mr. Fromi:

Aman Food and Gas is performing an environmental response action at the property located at 1830 5th Avenue, Moline, Rock Island County, Illinois. The response action is being performed because of a release of petroleum from underground storage tanks at the site. The response action consists of defining the contamination plume, and Ill. Adm. Code 742 has been utilized to gain closure of the incident.

To protect human health, Illinois regulations require that Aman Food and Gas either clean up groundwater contamination or demonstrate that the groundwater in the area of the release will not be used as potable water. (Groundwater is the water beneath the ground stored in the pores of soil and rock; some communities and homeowners pump this water out of wells to supply potable water. Potable means fit for human consumption including drinking, bathing, preparing food, washing dishes, and so forth.)

The City of Moline, 619 16th Street, Moline, Rock Island County, Illinois has adopted an ordinance that strictly prohibits the human and domestic consumption of the groundwater beneath your property. Under Illinois regulations, a local ordinance that effectively prohibits the installation and use of potable water supply wells may be used as an institutional control to allow contamination above the groundwater ingestion remediation objectives to remain in the groundwater (35 Ill. Adm. Code 742.1015). (An institutional control is a legal mechanism for imposing a restriction on land use.) The Illinois Environmental Protection Agency (Illinois EPA) has determined that the ordinance adopted by the City of Moline meets the regulatory requirements for use as an institutional control. Aman Food and Gas has requested and has been granted approval from the Illinois EPA to use the groundwater ordinance as an institutional control.

Your property, located at 1801 6th Avenue in Moline; Parcel I.D. # 0832402004, is included in the area affected by the ordinance. This means that you cannot install or use a private, potable water well on your property. Based on the remediation objectives established in reliance on this ordinance, groundwater beneath your property may not be suitable for human or domestic consumption. Illinois regulations require that you be notified of these facts.

The ordinance is identified as Ordinance No. 98-10-2 and also Ordinance No. 3022-2010. If you wish to obtain a copy of the ordinance, please contact the City of Moline by mail at 619 16th Street, Moline, Rock Island County, Illinois or by telephone at (309) 524-2001. To learn more about Aman Food and Gas, please contact us either by mail at 701 South Grand Avenue West, Springfield, Illinois 62704, or by telephone at (217) 522-8001, or the Illinois EPA, Bureau of Land Project Manager, Eric Kuhlman, by mail at 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, or by telephone at (217) 785-5715.

You may also obtain a copy of the complete Illinois EPA file on Aman Food and Gas. To do so, you will need to submit a written request with your signature to the Freedom of Information Act (FOIA) Officer, Illinois EPA, Bureau of Land, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276. When requesting a copy of the file, please reference the file heading shown below:

LPC: 1610455194– Rock Island County
Moline, Illinois / Aman Food & Gas
1830 5th Avenue, Moline, Illinois
Incident Number 2014-0247

FOIA requests may also be requested through the Illinois EPA's web page at www.epa.state.il.us/foia.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

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FAQs >

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Tracking Number: 7019014000031176426

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7019 0140 0000 3117 6426

Aman GW Ord

Feedback

✓ Delivered

October 8, 2019 at 10:12 am
Delivered, Front Desk/Reception/Mail Room
MOLINE, IL 61265

9249 2TTE 0000 04T0 6T02

Get Updates

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MOLINE, IL 61265

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Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.55
Total Postage and Fees	\$4.05

Sent To: Joseph M. Fromi
Street and Apt. No. or PO Box No.: 1801 6th Avenue
City, State, ZIP+4®: Moline, Illinois 61265

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



See Less ^

CW²M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

September 30, 2019

Certified Mail # 7019 0140 0000 3117 6419

Moline Dispatch
8 Dearborn Square
Kankakee, IL 60901

Re: Notice for Groundwater Ordinance Reliance

To Whom It May Concern:

Aman Food and Gas is performing an environmental response action at the property located at 1830 5th Avenue, Moline, Rock Island County, Illinois. The response action is being performed because of a release of petroleum from underground storage tanks at the site. The response action consists of defining the contamination plume, and Ill. Adm. Code 742 has been utilized to gain closure of the incident.

To protect human health, Illinois regulations require that Aman Food and Gas either clean up groundwater contamination or demonstrate that the groundwater in the area of the release will not be used as potable water. (Groundwater is the water beneath the ground stored in the pores of soil and rock; some communities and homeowners pump this water out of wells to supply potable water. Potable means fit for human consumption including drinking, bathing, preparing food, washing dishes, and so forth.)

The City of Moline, 619 16th Street, Moline, Rock Island County, Illinois has adopted an ordinance that strictly prohibits the human and domestic consumption of the groundwater beneath your properties. Under Illinois regulations, a local ordinance that effectively prohibits the installation and use of potable water supply wells may be used as an institutional control to allow contamination above the groundwater ingestion remediation objectives to remain in the groundwater (35 Ill. Adm. Code 742.1015). (An institutional control is a legal mechanism for imposing a restriction on land use.) The Illinois Environmental Protection Agency (Illinois EPA) has determined that the ordinance adopted by the City of Moline meets the regulatory requirements for use as an institutional control. Aman Food and Gas has requested and has been granted approval from the Illinois EPA to use the groundwater ordinance as an institutional control.

Your properties, located at 1815 6th Avenue in Moline; Parcel I.D. # 0832402005 and 1821 6th Avenue in Moline; Parcel I.D. # 0832402006, are included in the area affected by the ordinance. This means that you cannot install or use a private, potable water well on your properties. Based on the remediation objectives established in reliance on this ordinance, groundwater beneath your properties may not be suitable for human or domestic consumption. Illinois regulations require that you be notified of these facts.

The ordinance is identified as Ordinance No. 98-10-2 and also Ordinance No. 3022-2010. If you wish to obtain a copy of the ordinance, please contact the City of Moline by mail at 619 16th Street, Moline, Rock Island County, Illinois or by telephone at (309) 524-2001. To learn more about Aman Food and Gas, please contact us either by mail at 701 South Grand Avenue West, Springfield, Illinois 62704, or by telephone at (217) 522-8001, or the Illinois EPA, Bureau of Land Project Manager, Eric Kuhlman, by mail at 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, or by telephone at (217) 785-5715.

You may also obtain a copy of the complete Illinois EPA file on Aman Food and Gas. To do so, you will need to submit a written request with your signature to the Freedom of Information Act (FOIA) Officer, Illinois EPA, Bureau of Land, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276. When requesting a copy of the file, please reference the file heading shown below:

LPC: 1610455194– Rock Island County
Moline, Illinois / Aman Food & Gas
1830 5th Avenue, Moline, Illinois
Incident Number 2014-0247

FOIA requests may also be requested through the Illinois EPA's web page at www.epa.state.il.us/foia.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

USPS Tracking®

[FAQs >](#)

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Tracking Number: 70190140000031176419

[Remove X](#)

Your item was delivered at 8:19 am on October 7, 2019 in KANKAKEE, IL 60901.

7019 0140 0000 3117 6419

Aman G W Ord.

✓ Delivered

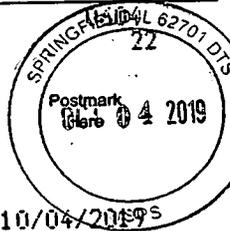
October 7, 2019 at 8:19:am
Delivered
KANKAKEE, IL 60901

[Get Updates ✓](#)

Feedback

7019 0140 0000 3117 6419

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For delivery information, visit our website at www.usps.com ®	
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OFFICIAL USE	
Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fee as appropriate)	\$11.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.55
Total Postage and Fees	\$4.05
Sent to Moline Dispatch	
Street and Apt. No., or PO Box No. 8 Dearborn Square	
City, State, ZIP+4® Kankakee, Illinois 60901	
Form 3800, April 2015 PSN 7530-02-000-9047-9. See Reverse for Instructions.	



	✓
	✓
	✓

[See Less ^](#)

APPENDIX H

OFF-SITE ACCESS AFFIDAVIT

**CORRECTIVE ACTION
COMPLETION REPORT**

**AMAN FOOD AND GAS
MOLINE, ILLINOIS**

In accordance with the 35 Ill. Adm Code 734.350, I due solemnly swear that every effort has been attempted in order to gain access to the property at 1818 5th Avenue in Moline, Illinois, immediately west of the Aman Food and Gas site. The Aman Food and Gas site is located at 1830 5th Avenue in Moline, Illinois with Incident Number 2014-0247. The access requests have been completed for the purposes of site investigation and remediation of the neighboring property owned by Hnguyuen LLC. The following is a list of the attempts that have been made and the owner's response to the attempts.

- A request for access letter, which included the language required by 35 Illinois Administrative Code 742.350 b), as well as an access license agreement, dated April 18, 2018, was sent to Mr. Hong T. Nguyen of Hnguyuen LLC, via Certified Mail # 7011 1570 0001 5599 8036. The letter was delivered on April 20, 2018.
- As of the date of this affidavit, no response has been received to an access request, therefore access is considered denied.

Owner/Operator: Balbir Kaur Title: Owner

Signature: BALBIR KAUR Date: 7/26/21

Subscribed and sworn to before me the 26 day of July, 202021

[Signature]
(Notary Public)

Seal:



CW[®]M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

April 18, 2018

Hong T. Nguyen
Hnguyen LLC
1570 36th Avenue, Suite 3
Moline, Illinois 61265

Certified Mail # 7011 1570 0001 5599 8036

RE: Off-Site Access Request/Aman Food & Gas

Mr. Nguyen:

We have been hired Mr. Jeet Singh of Aman Food & Gas for site assessment and remedial proceedings at the fueling station located at 1830 5th Avenue in Moline, Illinois. This effort has been required by the Illinois Environmental Protection Agency (IEPA) as a result of a petroleum release reported to the IEPA and identified as incident number 2014-0247. Prior investigations to date have apparently confirmed contamination to the soil and groundwater on this site. In accord, and pursuant to Illinois Administrative Code 734, the IEPA is requiring additional investigation of neighboring properties in order to determine the extent (if any) of off-site soil and/or groundwater contamination.

In association with Aman Food & Gas, we are contacting you as the owner of the property located directly to the west of the site located at 1818 5th Avenue and neighboring the above referenced site. Provided of course that you are the owner of this property, and in order to satisfy the requirements of the IEPA, we are requesting access to perform an investigation. We were previously granted access to this property by the City of Moline before you took over ownership. Therefore, if you also wish to grant us access, we have included a standard access agreement for your review and signature.

Due to the timeliness of this project, we respectfully request return of these agreements within 30 days of the date of this letter. Once 30 days has passed, we will have to consider our request for access denied. While we respect your right and privilege to deny us access to your property if you so choose, the IEPA requires that we notify you of some specific issues regarding denial of access before they will accept the denial. These issues are as follows:

- 1) According to Section 57 of the Environmental Protection Act (Act), the Underground Storage Tank (UST) owner or operator, Aman Food & Gas, is legally responsible for remediation of any contamination caused by the UST system release;
- 2) If a property owner denies access to the UST owner or operator, the UST owner or operator may seek to gain entry by a court order pursuant to Section 22.2c of the Act;
- 3) In performing the requested investigation, the UST owner or operator will work so as to minimize any disruption on the property, will maintain, or its

environmental consultant will maintain, appropriate insurance and will repair any damage caused by the investigation;

- 4) If contamination results from a UST release by the UST owner or operator, the UST owner or operator will conduct all associated remediation at its own expense; and
- 5) Threats to human health and the environment and diminished property value may result from failure to remediate contamination from the UST release.

If you have any questions about this project, or require additional information, please do not hesitate to contact Mr. Matt Saladino or me at (217) 522-8001. On behalf of Aman Food & Gas, thank you for your consideration of our request.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mrs. Balbir Kaur & Mr. Jeet Singh, *Aman Food & Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

ACCESS LICENSE AGREEMENT

THIS AGREEMENT is entered into as of the 18th Day of April 2018 by and between **Hnguyuen LLC** whose address is 1570 36th Avenue, Suite 3, Moline, Illinois 61265 ("Grantor") and **Aman Food & Gas**, whose address is 1830 5th Avenue, Moline, Illinois 61265 ("Grantee").

WITNESSETH:

WHEREAS, Grantor currently owns certain real property located at 1818 5th Avenue, Moline, Illinois 61265 (the "Premises"); and

WHEREAS, CW³M Company, Inc. has been retained by **Aman Food & Gas** for site assessment and remedial proceedings of the neighboring property; located at 1830 5th Avenue, Moline, Illinois 61265; and

WHEREAS, Grantee wishes to test for hydrocarbon contamination which may have migrated from the Aman Food & Gas location to the soil and/or groundwater of the Premises; and

WHEREAS, the parties wish to provide Grantee with an access license to the Premises for implementation of a site investigation to determine the presence of, if any hydrocarbon contamination to the soils and/or groundwater of the Premises, and the implementation/conclusion of a Corrective Action Plan as may be required and approved by the Illinois Environmental Protection Agency, ("IEPA").

IT IS THEREFORE AGREED AS FOLLOWS:

1. LICENSE GRANT

Grantor grants and conveys to Grantee a non-exclusive access license upon, across and under the Premises for the following purposes:

A. Construction, installation, maintenance, inspection, operation and removal of any observation wells, following prior notification to the Grantor of such activities; and

B. Access to any existing wells, including any required inspection, maintenance and operation thereof; and

2. MANNER OF PERFORMANCE:

Grantee shall perform such investigation, monitoring and/or remediation activities in a manner and at times that will not unreasonably interfere with Grantor's use of the Premises. Grantee shall keep all equipment and wells on the Premises in good condition and repair. All wells located on the premises shall be flush with the ground unless otherwise agreed to by Grantor. Grantee shall remove all equipment and monitoring wells from the premises upon completion of all testing and remediation and shall restore the premises to substantially the condition as existed prior to the grant of this Access License.

3. REMEDIATION

Grantee shall, at the sole cost of Aman Food & Gas perform or cause to be performed such investigation, monitoring, repair, closure, detoxification, decontamination and/or other clean-up of the hydrocarbon contamination caused by its 5th Avenue facility, its tenants, assigns or franchisees in the Premises as may be directed by the Illinois Environmental Protection Agency. Grantee's obligation under this paragraph shall cease when the directives of the IEPA have been satisfied.

4. LIENS

Grantee shall discharge, bond or otherwise secure against any liens and attachments which may be filed in connection with such investigation, monitoring and/or remediation activities and shall indemnify and save Grantor, its affiliates, and the Premises harmless from and against any and all loss (including attorney's fees), damage, injury, liability and claims thereof resulting from any such liens or attachments.

5. INSURANCE

Grantee shall maintain and keep in force for the mutual benefit of Grantor and Grantee general public liability insurance against claims for personal injury, death or property damage occurring in, on or about the premises (other than easements and common areas under the control of Grantor) to afford protection to the limit of not less than \$1,000,000.00 with respect to bodily injury or death and \$100,000.00 to property damage. Grantee shall deliver to Grantor, upon request, a certificate of insurance evidencing the existence of such coverages.

6. ENVIRONMENTAL AUDITS

Grantee shall, upon completion of any environmental sampling and testing performed upon the Premises, and/or any adjoining property, provide upon request Grantor with copies of all reports of the results of such environmental audits. Grantee shall also provide Grantor, upon request, copies of reports of data collected from all monitoring wells on the Premises, and copies of all Closure Documents as provided by the IEPA.

7. TERMINATION

The Access License granted by this Agreement shall automatically terminate upon the completion of all testing and remediation activities on the Premises including the removal of all observation wells and any recovery system installed on the Premises.

8. ENTIRE AGREEMENT

The mutual obligations and undertakings of the parties hereto as provided herein are the sole and only consideration of this Agreement, and no representations, promises or inducements have been made by the parties hereto other than as appear in this Agreement.

9. BINDING AGREEMENT

All of the provisions of this Agreement, including benefits and burdens, are binding upon each of the parties hereto, and their successors, transferees and assigns.

10. CAPTIONS

The captions and headings throughout this Agreement are for convenience or reference only and the words contained therein shall in no way be held or deemed to define, limit, describe, explain, modify, amplify or aid in the interpretation, consideration or meaning of any provision or the scope of the intent of this Agreement.

11. COMPLIANCE WITH LAW

Grantor and Grantee agree, in the performance of this Agreement, to comply with all applicable laws, ordinances, rules and regulations of any governmental or quasi-governmental agencies having jurisdiction over the subject matter hereto

12. NOTICE

Any notice required by this Agreement shall be sent by certified mail, return receipt requested, to the addresses provided for above, and shall be deemed given on the date of mailing.

IN WITNESS WHEREOF, the parties have caused this Agreement to be entered into as of the date first written above.

AMAN FOOD & GAS

HNGUYUEN LLC

By: _____
Balbir Kaur/Jeet Singh

By: _____
Hong T. Nguyen
Owner

USPS Tracking®

FAQs > (<http://faq.usps.com/?articleId=220900>)

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Tracking Number: 70111570000155998036

Remove X

Aman - off-site

Expected Delivery by

FRIDAY

20 APRIL 2018 ⓘ by **8:00pm** ⓘ

Delivered

April 20, 2018 at 10:03 am
Delivered, Front Desk/Reception
MOLINE, IL 61265

7011 1570 0001 5599 8036

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MOLINE, IL 61265

Postage	\$3.15
Certified Fee	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$4.37

0604 02

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APR 18 2018
04/18/2018
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City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

See Less ^

What are you're looking for?

Go to our FAQs section to find answers to your tracking questions.



Electronic Filing: Received, Clerk's Office 04/05/2023
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

DEC 03 2021

CERTIFIED MAIL

7015 0640 0004 7788 1044

Aman Food and Gas
Attention: Balbir Kaur
5048 Country Court
Davenport, IA 52807

Re: 1610455194 – Rock Island County
Moline / Aman Food and Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

EPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

Dear Mr. Kaur:

JAN 12 2022

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the ^{REVIEWED BY SAB} Corrective Action Completion Report submitted for the above-referenced incident. This information was dated August 2, 2021 and was received by the Illinois EPA on August 5, 2021. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Section 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a), the report is rejected for the reason(s) listed below:

1. The construction worker inhalation exposure pathway will need to be addressed at the following soil sample locations: 2, 4, and 8. As such, the Property Owner Summary form will need to be updated and resubmitted to the Illinois EPA for technical review since the box for construction worker caution notification was not checked on the form submitted.

Please note that the Illinois EPA does not believe there is an institutional control such as an Industrial/Commercial Inhalation Caution Notification.

2. The Construction Worker Caution area shown on Drawing 0012A will need to be enlarged to encompass wall samples 10 and 9 along the former UST excavation and soil boring SB-2 along the eastern property boundary since the soil samples in these locations were collected at similar depth as floor samples 2 and 4 and wall sample 8.
3. The Engineered Barrier area shown on Drawing 0012B should be enlarged to encompass soil borings SB-1, SB-2, and SB-3 since soil samples in these locations were collected at similar depth as wall sample 8.

Page 2

Pursuant to Section 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.100 and 734.125, the Illinois EPA requires that a revised Corrective Action Completion Report be submitted within 120 days:

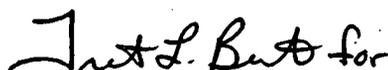
Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact the undersigned at (217) 785-5715 or at eric.kuhlman@illinois.gov.

Sincerely,



Eric Kuhlman
Project Manager
Leaking Underground Storage Tank Section
Bureau of Land

TB:

Attachment: Appeal Rights

c: Matthew Saladino, CWM Company, Inc. (electronic copy)
BOL File

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Clerk of the Board
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
(312) 814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
(217) 782-5544

CW²M Company

Environmental Consulting Services

1610455194 - Rock Island County
Aman Food and Gas
Incident # 20140247
Leaking UST Technical File

04
001
009

February 15, 2022

Mr. Eric Kuhlman, Project Manager
LUST Section, Bureau of Land
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, IL 62794-9276

RECEIVED

FEB 23 2022

IEPA/BOL

RE: LPC # 1610455194 — Rock Island County
Aman Food and Gas
1830 5th Avenue, Moline, Illinois
Incident Number: 2014-0247
LUST Technical Reports—Corrective Action Budget Amendment

Dear Mr. Kuhlman:

On behalf of Aman Food and Gas, owner of the property at the above-referenced site, we are submitting the attached Corrective Action Budget Amendment.

Per the Agency denial of the Corrective Action Completion Report (CACR) dated December 3, 2021, we are submitting this budget amendment for the costs associated with the enlargement of the engineered barrier.

The original engineered barrier as presented in previous Corrective Action Plans (CAPs) had an area of 238 square feet, which encompassed early action wall sample 8. It has now been requested in the CACR denial letter that this area "be enlarged to encompass soil borings SB-1, SB-2, and SB-3 since soil samples in these locations were collected at similar depth as wall sample 8".

It has been noted in various correspondences with the Agency post-denial letter that the requested "enlarged" engineered barrier area spans into areas of severely deteriorated and cracked concrete, requiring it to be repaved to be characterized as a sufficient engineered barrier.

Following IEPA request, the engineered barrier has been enlarged from 238 square feet to 1,763 square feet. Therefore, this budget amendment is requesting the costs associated with the difference in square footage (1,525 square feet) as well as additional installation of the extended engineered barrier. The attached map depicts the new limits of the engineered barrier.

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASEABLE

JUN 28 2022

REVIEWER: SAB

If you have any questions or require additional information, please contact Mr. Matthew Saladino or me at (217) 522-8001.

Sincerely,

A handwritten signature in black ink, appearing to be 'CR', written in a cursive style.

Carol L. Rowe, P.G.
Senior Environmental Geologist

Enclosure

xc: Ms. Balbir Kaur, *Aman Food and Gas*
Mr. William T. Sinnott, *CW³M Company, Inc.*

APPENDIX A
CORRECTIVE ACTION BUDGET
AMENDMENT

AMAN FOOD AND GAS
MOLINE, ILLINOIS



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

General Information for the Budget and Billing Forms

LPC #: 1610455194 County: Rock Island

City: Moline Site Name: Aman Food & Gas

Site Address: 1830 5th Avenue

IEMA Incident No.: 2014-0247

IEMA Notification Date: Mar 3, 2014

Date this form was prepared: Jan 24, 2022

This form is being submitted as a (check one, if applicable):

- Budget Proposal
- Budget Amendment (Budget amendments must include only the costs over the previous 12 months)
- Billing Package

RECEIVED

FEB 23 2022

IEPA/BOL

Please provide the name(s) and date(s) of report(s) documenting the costs requested:

Name(s): _____

Date(s): _____

This package is being submitted for the site activities indicated below:

35 III. Adm. Code 734:

- Early Action
- Free Product Removal after Early Action
- Site Investigation Stage 1: Stage 2: Stage 3:
- Corrective Action Actual Costs

35 III. Adm. Code 732:

- Early Action
- Free Product Removal after Early Action
- Site Classification
- Low Priority Corrective Action
- High Priority Corrective Action

35 III. Adm. Code 731:

- Site Investigation
- Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

Pay to the order of: Jeet Singh

Send in care of: CWM Company, Inc.

Address: P.O. Box 571

City: Carlinville

State: IL

Zip: 62626

The payee is the: Owner Operator (Check one or both.)



 Signature of the owner or operator of the UST(s) (required)

W-9 must be submitted.
[Click here to print off a W-9 Form.](#)

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Number of USTs at the site: 5 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 2

Incident Numbers assigned to the site due to releases from USTs: 2003-0936 2014-0247

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	5,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	3,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Gasoline	6,000	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

Add More Rows

Undo Last Add

Budget Summary

Choose the applicable regulation: 734 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
					Proposed
Drilling and Monitoring Well Costs Form	\$	\$	\$	\$	\$
Analytical Costs Form	\$	\$	\$	\$	\$
Remediation and Disposal Costs Form	\$	\$	\$	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$ 4,925.75
Consulting Personnel Costs Form	\$	\$	\$	\$	\$ 4,125.36
Consultant's Materials Costs Form	\$	\$	\$	\$	\$ 205.35
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	\$	\$	\$	\$	\$ 9,256.46

Paving, Demolition, and Well Abandonment Costs Form

A. Concrete and Asphalt Placement/Replacement

Number of Square Feet	Asphalt or Concrete	Thickness (inches)	Cost (\$) per Square Foot	Replacement or Placement for an Engineered Barrier	Total Cost
1,525.00	Concrete	6.00	3.23	Placement	\$4,925.75

Total Concrete and Asphalt Placement/Replacement Costs:	\$4,925.75
--	-------------------

B. Building Destruction or Dismantling and Canopy Removal

Item to Be Destroyed, Dismantled, or Removed	Unit Cost (\$)	Total Cost (\$)

Total Building Destruction or Dismantling and Canopy Removal Costs:	
--	--

Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	8.00	135.48	\$1,083.84
CCA-Field	Engineered Barrier Construction Map / Plan / Arrangements / Correspondence / Documentation			
	Engineer III	8.00	135.48	\$1,083.84
CCA-Field	Engineered Barrier Construction / Verification			
	Engineer III	5.00	135.48	\$677.40
CCAP-Budget	Budget Amendment Design and Development, IEPA/Client Correspondence			
	Senior Prof. Engineer	1.00	176.13	\$176.13
CCAP-Budget	Budget Amendment Review and Certification			
	Senior Admin. Assistant	1.00	60.97	\$60.97
CCAP-Budget	Budget Amendment Compilation and Distribution			
	Senior Draftperson/CAD	1.50	81.28	\$121.92
CCAP	Editing Maps for Engineered Barrier Modification			
	Senior Prof. Engineer	2.00	176.13	\$352.26
CA-Pay	Additional CA Reimbursement Claim Certification			
	Senior Acct. Technician	6.00	74.51	\$447.06
CA-Pay	Additional CA Reimbursement Claim Preparation			
	Senior Admin. Assistant	2.00	60.97	\$121.94
CA-Pay	Additional CA Reimbursement Claim Compilation, Assembly, and Distribution			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$4,125.36
--	-------------------

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification				
Mileage		670.00	.57	/mile	\$381.90
CCA-Field	2 Round Trips for Engineered Barrier Layout, Verification, Oversight				
Postage		2.00	7.20	/each	\$14.40
CCAP-Budget	Budget Amendment Forms and Distribution				
Postage		2.00	7.20	/each	\$14.40
CA-Pay	Reimbursement Claim and Forms Distribution				

Total of Consultant Materials Costs	\$410.70
--	-----------------

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 2014-0247. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal fees or costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

RECEIVED

FEB 23 2022

IEPA/BOL

Owner/Operator: Aman Food & Gas

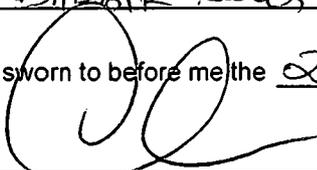
Authorized Representative: Balbir Kaur

Title: Owner

Signature: BALBIR Kaur

Date: 1/26/22

Subscribed and sworn to before me the 26th day of January, 2022



Seal:

(Notary Public)

In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

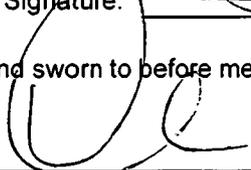
L.P.E./L.P.G.: Vince E Smith

L.P.E./L.P.G. Seal:

L.P.E./L.P.G. Signature: [Signature]

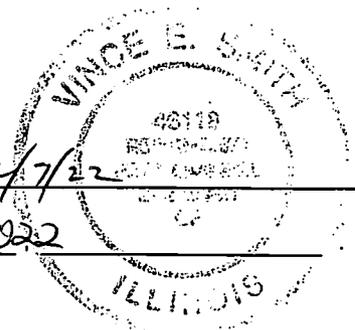
Date: 2/7/22

Subscribed and sworn to before me the 7th day of February, 2022



(Notary Public)

OFFICIAL SEAL
CAROL L. ROWE
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 03-18-2025

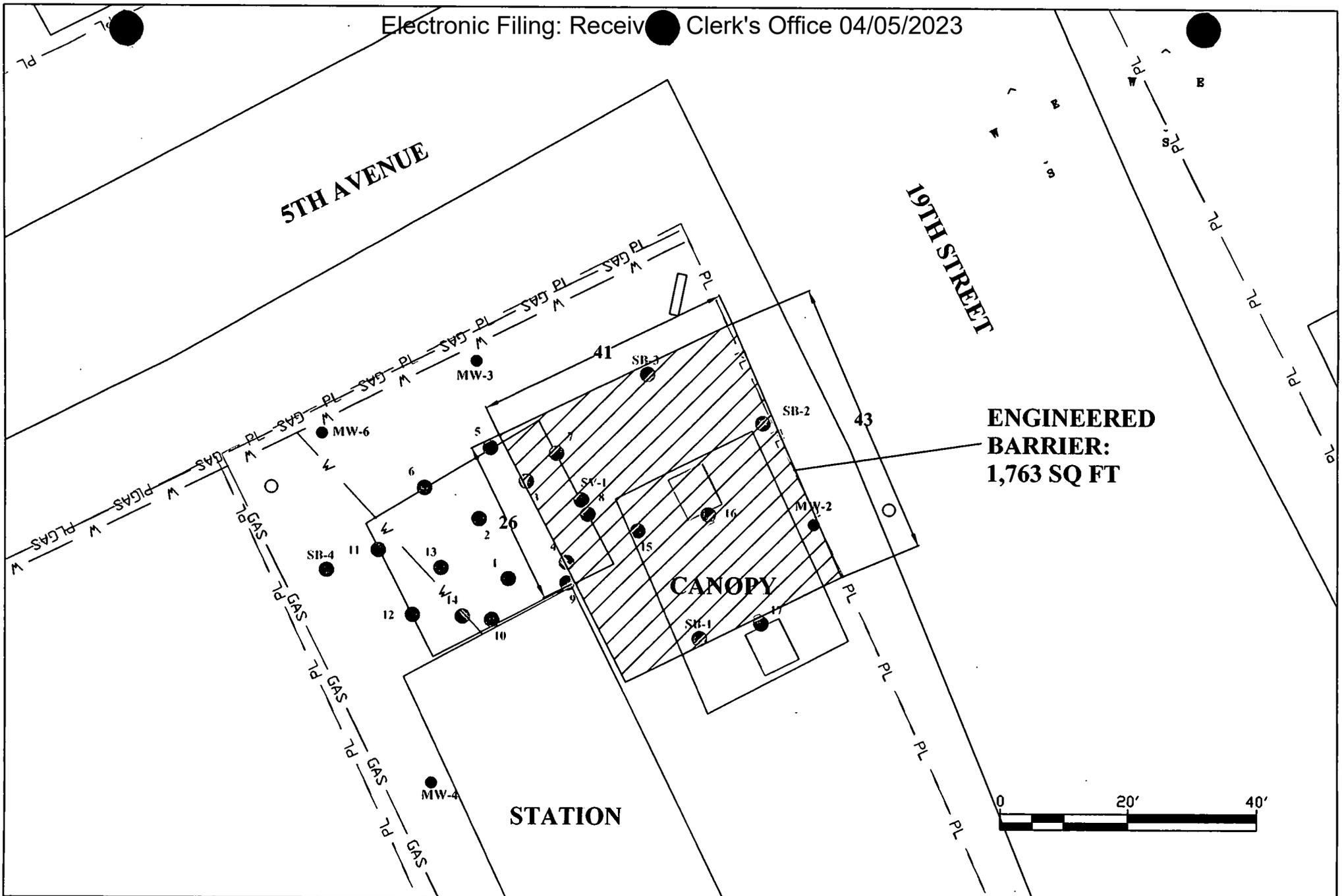


The Illinois EPA is authorized to require this information under 415 ILCS 5/4. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

APPENDIX B

**MODIFIED ENGINEERED BARRIER
MAP**

**AMAN FOOD AND GAS
MOLINE, ILLINOIS**



CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 522-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

ENGINEERED BARRIER
 MAP

DATE: 4/9/2019
 REVISED DATE: 6/18/21
 SCALE 1"=20'
 DRAWING: 0012B

DRAWN BY: JKK
 REVISED BY: MJS
 REVIEWED BY: CLR
 EngBar.DWG
 000754



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

CERTIFIED MAIL

7011 1150 0001 0854 6826

JUN 01 2022

Aman Food and Gas
Attention: Balbir Kaur
5048 Country Court
Davenport, IA 52807

*IEPA-Division of Records Management
Releasable*

JUL 08 2022

Reviewer KAP

Re: 1610455194 – Rock Island County
Moline / Aman Food and Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

Dear Mr. Kaur:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Corrective Action Plan Budget (budget) submitted for the above-referenced incident. This budget, dated February 15, 2022, was received by the Illinois EPA on February 23, 2022. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The budget is approved for the amounts listed in Attachment A (Sections 57.7(b)(3) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(b)). Please note that the costs must be incurred in accordance with the approved plan. Be aware that the amount of payment from the Fund may be limited by Sections 57.7(c), 57.8(d), 57.8(e) and 57.8(g) of the Act, as well as 35 Ill. Adm. Code 734.630 and 734.655.

All future correspondence must be submitted to:

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

If you have any questions or need further assistance, please contact the undersigned at (217) 785-5715 or at eric.kuhlman@illinois.gov.

2125 S. First Street, Champaign, IL 61820 (217) 278-5800
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000
595 S. State Street, Elgin, IL 60123 (847) 608-3131

2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

000755

Page 2

Sincerely,



Eric Kuhlman
Project Manager
Leaking Underground Storage Tank Section
Bureau of Land

SP:TB TB

Attachment: Attachment A

c: Matthew Saladino, CWM Company, Inc. (electronic copy)
BOL File

Attachment A

Re: 1610455194 – Rock Island County
Moline / Aman Food and Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

SECTION 1

The following amounts are approved:

\$0.00	Drilling and Monitoring Well Costs
\$0.00	Analytical Costs
\$0.00	Remediation and Disposal Costs
\$0.00	UST Removal and Abandonment Costs
\$4,925.75	Paving, Demolition, and Well Abandonment Costs
\$4,125.36	Consulting Personnel Costs
\$410.70	Consultant's Materials Costs

Handling charges will be determined at the time a billing package is reviewed by the Illinois EPA. The amount of allowable handling charges will be determined in accordance with Section 57.1(a) of the Environmental Protection Act and 35 Illinois Administrative Code 734.635.

LEAKING UST TECHNICAL REVIEW NOTES

Reviewed by: Brad Dilbaitis
Date Reviewed: 12/15/2022

Re: 1610455194 – Rock Island County
Moline/Aman Food and Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

Document Reviewed:

8/29/2022 Amended Corrective Action Budget – received 8/31/2022

Drilling and Monitoring Well Costs	\$0.00	
Analytical Costs	\$0.00	
Remediation and Disposal Costs	\$0.00	
UST Removal & Abandonment Costs	\$0.00	
Paving, Demo & Well Abandonment Costs	\$21,350.00	(approving \$0.00)
Consulting Personnel Costs	\$8,813.27	(approving \$0.00)
Consultant's Materials Costs	\$543.63	(approving \$0.00)
<i>Total Budget</i>	<i>\$30,706.90</i>	

Paving Costs - \$21,350.00

The previous budget (received 2/23/2022) approved \$4,925.75 for 1,525 square feet of concrete (6" thick) at \$3.23 per square foot to be used as an engineered barrier – the current budget is being submitted because the initial \$3.23 per square foot rate could not be met – the Paving Costs were bid in accordance with 734.855

- Note that the previous budget approved costs for the installation of 6" of concrete to be installed/used as an engineered barrier at the applicable rate for 4" of asphalt (\$3.32 per square foot), which is appropriate – per 734.840, payment for costs associated with concrete, asphalt, and paving installed as an engineered barrier, other than replacement concrete, asphalt, and paving, must not exceed the Subpart H maximum payment amount for 4 inches of asphalt
- No soil was removed during corrective action – the concrete is being placed as a barrier, not replacement – the most that can be approved is the Subpart H maximum payment amount for four inches of asphalt, which was approved in the previous budget (received 2/15/2022)
- The applicable costs for the installation of the barrier have already been approved
- It appears the barrier has already been installed (per Google Earth)

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

FEB 24 2023

REVIEWER: SAB

000758

Consulting Personnel Costs - \$8,813.27

Bidding process costs (23 hours – \$2,853.25)

8	Sr. Project Manager	Bidding design / specifications
4	Sr. Project Manager	Bid process / advertising / bid letting
2	Sr. Admin. Assistant	Bid process / advertising / bid letting
6	Sr. Project Manager	Bid opening selection / bid awards / EPA documentation and reporting
3	Sr. Admin. Assistant	IEPA documentation and reporting

- Senior Project Manager – 18 hours at \$140.90 per hour for a total of \$2,536.20
- Senior Administrative Assistant – 5 hours at \$63.41 per hour for a total of \$317.05

Proposed field activities (16 hours – \$2,254.40)

8	Sr. Project Manager	Engineered barrier construction map / plan / arrangements / correspondence / documentation
8	Engineer III	Engineered barrier construction / verification

- Senior Project Manager – 8 hours at \$140.90 per hour for a total of \$1,127.20
- Engineer III – 8 hours at \$140.90 per hour for a total of \$1,127.20

CAP budget preparation and submittal (11 hours – \$1,479.46)

7	Engineer III	Budget design and development, IEPA and client correspondence
2	Sr. Prof. Engineer	Budget review and certification
2	Sr. Admin. Assistant	Budget compilation and distribution

- Engineer III – 7 hours at \$140.90 per hour for a total of \$986.30
- Senior Professional Engineer – 2 hours at \$183.17 per hour for a total of \$366.34
- Senior Administrative Assistant – 2 hours at \$63.41 per hour for a total of \$126.82

Reimbursement claims preparation and submittal (24 hours – \$2,226.16)

16	Sr. Account Technician	Additional reimbursement claim preparation (2 claims)
4	Sr. Prof. Engineer	Additional reimbursement claim certification (2 claims).
4	Sr. Admin. Assistant	Additional reimbursement claim compilation, assembly, and distribution

- Senior Account Technician – 16 hours at \$77.49 per hour for a total of \$1,239.84
- Senior Professional Engineer – 4 hours at \$183.17 per hour for a total of \$732.68
- Senior Administrative Assistant – 4 hours at \$63.41 per hour for a total of \$253.64

Page 3

Consultant's Materials Costs – \$543.63

- \$361.08 for 612 miles at \$0.59 per mile (2 trips for engineered barrier layout, verification, oversight)
- \$21.50 for postage for two mailings for the budget amendment forms and distribution at \$10.75 per mailing
- \$115.29 for the bid advertisement
- \$2.76 for four bid correspondences at \$0.69 per correspondence
- \$43.00 for four mailings for the two claims at \$10.75 per mailing

The budget cannot be approved – all proposed costs are associated with the bidding and placement of the engineered barrier – these costs were all approved in the previous budget

CW³M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

August 29, 2022

Mr. Eric Kuhlman, Project Manager
LUST Section, Bureau of Land
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62702

**Re: LPC #1610455194—Rock Island County
Aman Food and Gas
1830 5th Avenue, Moline, Illinois
Incident Number: 2014-0247
LUST Technical Reports—Corrective Action Budget Amendment**

Dear Mr. Kuhlman:

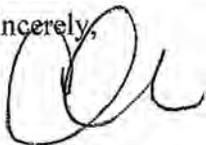
On behalf of Aman Food and Gas, owner of the USTs at the above referenced site in Moline, Illinois, we are submitting the attached Corrective Action Budget Amendment and related bid documentation.

The initial \$3.23 per square foot rate for the engineered barrier could not be met by the interested entities. Documentation of the owners bid summary and of the contractor's correspondence in regard to not being able to meet the rate established under Part 734 Subpart H are included. Per Section 734.855 regulations, a bid invitation was posted and the bid process conducted. The winning bid price for the engineered barrier area of 1,525 square feet was \$14.00 per square foot.

Therefore, we are submitting this budget amendment for the costs associated with the replacement engineered concrete barrier and the bidding process.

If you have any questions or require additional information, please contact me at 217-522-8001.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Enclosure

Xc: Mr. William T. Sinnott, *CW³M Company, Inc*



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/7 - 5/7.19). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false, fictitious, or fraudulent material statement or representation, orally or in writing, to the Agency, or to a unit of local government to which the Agency has delegated authority under subsection (r) of Section 4 of this Act, related to or required by this Act, a regulation adopted under this Act, any federal law or regulation for which the Agency has responsibility, or any permit, term, or condition thereof, commits a Class 4 felony, and each such statement or writing shall be considered a separate Class 4 felony. A person who, after being convicted under paragraph 415 ILCS 5/44 (h)(8), violates paragraph 415 ILCS 5/44 (h)(8) a second or subsequent time, commits a Class 3 felony. (415 ILCS 5/44). This form has been approved by the Forms Management Center.

Leaking Underground Storage Tank Program Corrective Action Plan

A. Site Identification

IEMA Incident # (6- or 8-digit): 2014-024

IEPA LPC# (10-digit): 1610455194

Site Name: Aman Food and Gas

Site Address (Not a P.O. Box): 1830 5th Avenue

City: Moline County: Rock Island ZIP Code: 61265

B. Site Information

1. Will the owner or operator seek reimbursement from the Underground Storage Tank Fund? Yes No

2. If yes, is the budget attached? Yes No

3. Is this an amended plan? Yes No

4. Identify the material(s) released: Gasoline

5. This Corrective Action Plan is submitted pursuant to:

a. 35 Ill. Adm. Code 731.166

b. 35 Ill. Adm. Code 732.404

c. 35 Ill. Adm. Code 734.335

C. Proposed Methods of Remediation

1. Soil Engineered Barrier

2. Groundwater _____

D. Soil and Groundwater Investigation Results

(for incidents subject to 35 Ill. Adm. Code 731 only or 732 that were classified using Method One or Two, if not previously provided)

Provide the following:

1. Description of investigation activities performed to define the extents of soil and/or groundwater contamination;
2. Analytical results, chain-of-custody forms, and laboratory certifications;
3. Tables comparing analytical results to applicable remediation objectives;

4. Boring logs;
5. Monitoring well logs; and
6. Site maps meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and showing:
 - a. Soil sample locations;
 - b. Monitoring well locations; and
 - c. Plumes of soil and groundwater contamination.

E. Technical Information - Corrective Action Plan

Provide the following:

1. Executive summary identifying the objectives of the corrective action plan and the technical approach to be utilized to meet such objectives;
 - a. The major components (e.g., treatment, containment, removal) of the corrective action plan;
 - b. The scope of the problems to be addressed by the proposed corrective action; and
 - c. A schedule for implementation and completion of the plan;
2. Identification of the remediation objectives proposed for the site;
3. A description of the remedial technologies selected:
 - a. The feasibility of implementing the remedial technologies;
 - b. Whether the remedial technologies will perform satisfactorily and reliably until the remediation objectives are achieved; and
 - c. A schedule of when the technologies are expected to achieve the applicable remediation objectives;
4. A confirmation sampling plan that describes how the effectiveness of the corrective action activities will be monitored during their implementation and after their completion;
5. A description of the current and projected future uses of the site;
6. A description of engineered barriers or institutional controls that will be relied upon to achieve remediation objectives:
 - a. an assessment of their long-term reliability;
 - b. operating and maintenance plans;
 - c. maps showing area covered by barriers and institutional controls;
 - d. copies of the complete application(s) for planned Highway Authority Agreement(s); and
 - e. draft groundwater ordinance(s) and Environmental Land Use Controls.
7. The water supply well survey:
 - a. Map(s) showing locations of community water supply wells and other potable wells and the setback zone for each well;
 - b. Map(s) showing regulated recharge areas and wellhead protection areas;
 - c. Map(s) showing the current extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - d. Map(s) showing the modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
 - e. Tables listing the setback zone for each community water supply well and other potable water supply wells;
 - f. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and
 - g. A certification from a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and that documentation submitted includes information obtained as a result of the survey (certification of this plan satisfies this requirement);

8. Appendices:
- a. References and data sources report that are organized; and
 - b. Field logs, well logs, and reports of laboratory analyses;
9. Site map(s) meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440;
10. Engineering design specifications, diagrams, schematics, calculations, manufacturer's specifications, etc.;
11. A description of bench/pilot studies;
12. Cost comparison between proposed method of remediation and other methods of remediation;
13. For the proposed Tier 2 or 3 remediation objectives, provide the following:
- a. The equations used;
 - b. A discussion of how input variables were determined;
 - c. Map(s) depicting distances used in equations; and
 - d. Calculations; and
14. Provide documentation to demonstrate the following for alternative technologies:
- a. The proposed alternative technology has a substantial likelihood of successfully achieving compliance with all applicable regulations and remediation objectives;
 - b. The proposed alternative technology will not adversely affect human health and safety or the environment;
 - c. The owner or operator will obtain all Illinois EPA permits necessary to legally authorize use of the alternative technology;
 - d. The owner or operator will implement a program to monitor whether the requirements of subsection (14)(a) have been met;
 - e. Within one year from the date of Illinois EPA approval, the owner or operator will provide to the Illinois EPA monitoring program results establishing whether the proposed alternative technology will successfully achieve compliance with the requirements of subsection (14)(a); and
 - f. Demonstration that the cost of alternative technology will not exceed the cost of conventional technology and is not substantially higher than at least two other alternative technologies, if available and technically feasible.

F. Exposure Pathway Exclusion

Provide the following:

1. A description of the tests to be performed in determining whether the following requirements will be met:
 - a. Attenuation capacity of the soil will not be exceeded for any of the organic contaminants;
 - b. Soil saturation limit will not be exceeded for any of the organic contaminants;
 - c. Contaminated soils do not exhibit any of the reactivity characteristics of hazardous waste per 35 Ill. Adm. Code 721.123;
 - d. Contaminated soils do not exhibit a pH \leq 2.0 or \geq 12.5; and
 - e. Contaminated soils which contain arsenic, barium, cadmium, chromium, lead, mercury, or selenium (or their associated salts) do not exhibit any of the toxicity characteristics of hazardous waste per 35 Ill. Adm. Code 721.124.
2. A discussion of how any exposure pathways are to be excluded.

Budget Summary

Choose the applicable regulation: 734 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
					Proposed
Drilling and Monitoring Well Costs Form	\$	\$	\$	\$	\$
Analytical Costs Form	\$	\$	\$	\$	\$
Remediation and Disposal Costs Form	\$	\$	\$	\$	\$
UST Removal and Abandonment Costs Form	\$	\$	\$	\$	\$
Paving, Demolition, and Well Abandonment Costs Form	\$	\$	\$	\$	\$ 21,350.00
Consulting Personnel Costs Form	\$	\$	\$	\$	\$ 8,813.27
Consultant's Materials Costs Form	\$	\$	\$	\$	\$ 543.63
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	\$	\$	\$	\$	\$ 30,706.90

Paving, Demolition, and Well Abandonment Costs Form

A. Concrete and Asphalt Placement/Replacement

Number of Square Feet	Asphalt or Concrete	Thickness (inches)	Cost (\$) per Square Foot	Replacement or Placement for an Engineered Barrier	Total Cost
1,525.00	Concrete	6.00	14.00	Replacement	\$21,350.00

Total Concrete and Asphalt Placement/Replacement Costs:	\$21,350.00
--	--------------------

B. Building Destruction or Dismantling and Canopy Removal

Item to Be Destroyed, Dismantled, or Removed	Unit Cost (\$)	Total Cost (\$)

Total Building Destruction or Dismantling and Canopy Removal Costs:	
--	--

Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	8.00	140.90	\$1,127.20
CCA-Field	Bidding Design / Specifications			
	Senior Project Manager	4.00	140.90	\$563.60
CCA-Field	Bid Process / Advertising / Bid Letting			
	Senior Admin. Assistant	2.00	63.41	\$126.82
CCA-Field	Bid Process/ Advertising / Bid Letting			
	Senior Project Manager	6.00	140.90	\$845.40
CCA-Field	Bid Opening Selection / Bid Awards / EPA Documentation and Reporting			
	Senior Admin. Assistant	3.00	63.41	\$190.23
CCA-Field	EPA Documentation and Reporting			

Electronic Filing: Received, Clerk's Office 04/05/2023

Employee Name	Personnel Title	Hours	Rate* (\$)	Total Cost
Remediation Category	Task			
	Senior Project Manager	8.00	140.90	\$1,127.20
CCA-Field	Engineered Barrier Construction Map / Plan / Arrangements / Correspondence / Documentation			
	Engineer III	8.00	140.90	\$1,127.20
CCA-Field	Engineered Barrier Construction / Verification			
	Engineer III	7.00	140.90	\$986.30
CCAP-Budget	Budget Amendment Design and Development, IEPA/Client Correspondence			
	Senior Prof. Engineer	2.00	183.17	\$366.34
CCAP-Budget	Budget Amendment Review and Certification			
	Senior Admin. Assistant	2.00	63.41	\$126.82
CCAP-Budget	Budget Amendment Compilation and Distribution			
	Senior Prof. Engineer	4.00	183.17	\$732.68
CA-Pay	Additional CA Reimbursement Claim Certification (2 claims)			
	Senior Acct. Technician	16.00	77.49	\$1,239.84
CA-Pay	Additional CA Reimbursement Claim Preparation (2 claims)			
	Senior Admin. Assistant	4.00	63.41	\$253.64
CA-Pay	Additional CA Reimbursement Claim Compilation, Assembly, and Distribution (2 claims)			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	\$8,813.27
--	-------------------

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase		Time or Amount Used	Rate (\$)	Unit	Total Cost
Remediation Category	Description/Justification				
Mileage		612.00	.59	/mile	\$361.08
CCA-Field	2 Round Trips for Engineered Barrier Layout, Verification, Oversight				
Postage		2.00	10.75	/each	\$21.50
CCAP-Budget	Budget Amendment Forms and Distribution (2)				
		1.00	115.29	/each	\$115.29
CCA-Field	Bid Advertisement				
		4.00	.69	/each	\$2.76
CCA-Field	Bid Correspondence				
		4.00	10.75	/each	\$43.00
CA-Pay	CA Reimbursement Claim forms				
Total of Consultant Materials Costs					\$543.63

Electronic Filing: Received, Clerk's Office 04/05/2023
General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund for this package.

Pay to the order of: Balbir Kaur

Send in care of: CWM Company, Inc.

Address: 701 South Grand Avenue West

City: Springfield

State: IL

Zip: 62704

The payee is the: Owner Operator (Check one or both.)

BALBIR KAUR

Signature of the owner or operator of the UST(s) (required)

8-9-22

Date

Balbir Kaur

Printed name of the owner or operator of the UST(s) (required)

W-9 must be submitted.
[Click here to print off a W-9 Form.](#)

Email: _____

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: 101 or more:

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?		Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	5,000	Yes <input checked="" type="radio"/>	No <input type="radio"/>	2014-0247	Overfill
Gasoline	3,000	Yes <input checked="" type="radio"/>	No <input type="radio"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input checked="" type="radio"/>	No <input type="radio"/>	2014-0247	Overfill
Gasoline	4,000	Yes <input type="radio"/>	No <input checked="" type="radio"/>		
Gasoline	6,000	Yes <input type="radio"/>	No <input checked="" type="radio"/>		
		Yes <input type="radio"/>	No <input type="radio"/>		
		Yes <input type="radio"/>	No <input type="radio"/>		
		Yes <input type="radio"/>	No <input type="radio"/>		

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 2014-0247. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal fees or costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

Owner/Operator: _____

Authorized Representative: Balbir Kaur Title: Owner

Signature: BALBIR KAUR Date: 8-9-22

Subscribed and sworn to before me the 9th day of August 2022

(Notary Public)

Seal: 

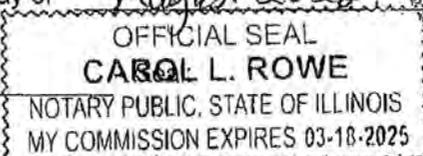
In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

L.P.E./L.P.G.: Vince E Smith L.P.E./L.P.G. Seal: _____

L.P.E./L.P.G. Signature: V E Smith Date: 8/24/22

Subscribed and sworn to before me the 24th day of August 2022

(Notary Public)

Seal:  

The Illinois EPA is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

APPENDIX A

ADVERTISEMENT FOR BID

**AMAN FOOD & GAS MART
MOLINE, ILLINOIS**

Bid Summary Form

Task(s) being bid:

1,525 square feet, 6" thick concrete for LUST Incident 2014-0247: Aman Food and Gas, 1830 5th Avenue,
Moline, Illinois

Subcontractor	Total Bid Cost
Walter D. Laud, Inc.	\$21,350.00
Five Cities Construction	\$35,075.00

Attach additional sheets as needed.

Lowest Bid : \$ 21,350.00

I hereby certify, to the best of my knowledge, that:

1. The bids are based upon the same scope of work;
2. The scope of work does not include costs that are ineligible for payment from the Underground Storage Tank Fund;
3. The bids will remain valid for a period of time that will allow the owner or operator to accept them upon the Illinois EPA's approval of the associated budget;
4. The bids were obtained only from parties qualified and able to perform the work;
5. The bids were not obtained from any party in which the owner or operator or the primary contractor has a financial interest;
6. The prices in the bids were arrived at by each bidder independently, without consultation, communication, or agreement between any parties for the purpose of restricting competition;
7. Unless otherwise required by law, the prices quoted in the bids were not disclosed by any party, directly or indirectly, prior to the opening of all bids by the party requesting the bids;
8. No attempt was made by any party to induce any other party to submit, not submit, or modify a bid for the purpose of restricting competition; and
9. Copies of all bids received have been submitted to the Illinois EPA.

I am aware there are significant criminal penalties, including felony penalties, for submitting false statements or representations to the Illinois EPA and that these penalties include, but are not limited to, fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Illinois Environmental Protection Act [415 ILCS 5/44 and 57.17].

UST Owner or Operator

Name: Aman Food & Gas
 Contact: Balbir Kaur
 Signature: Balbir Kaur
 Date: 8-9-22

Consultant

Company: CW3M Company, Inc.
 Contact: Carol Rowe
 Signature: [Signature]
 Date: 8/29/2022

Attachments: Copy of scope of work
 Copies of all bids received and Contractor Certification Forms

128-60098880

CW3M COMPANY, INC

Order Nbr 128790

Publication **MDA-Dispatch Argus**
 Contact **CW3M COMPANY, INC**
 Address 1 **701 S GRAND AVE W**
 Address 2
 City St Zip **SPRINGFIELD IL 62704**
 Phone **2175228001**
 Fax
 Section **Legals**
 SubSection
 Category **2611 Bid Notices**
 Ad Key **128790-1**
 Keywords **NOTICE INVITATION FOR BID 1525**
 Notes

PO Number
 Rate **Legal - Email**
 Order Price **115.29**
 Amount Paid **0.00**
 Amount Due **115.29**
 Start/End Dates **06/13/2022 - 06/19/2022**
 Insertions **7**
 Size **14**
 Salesperson(s) **Legals 211**
 Taken By **Danine Glascock**

Ad Proof

NOTICE
 INVITATION FOR BID
 1525 SQ FT 6" CONCRETE PAD IN
 MOLINE, ILLINOIS
 Call CW3M Co. at (217) 522-8001 or
 e-mail cwm@cw3mcompany.com for
 bid package. Bids are due by July 6,
 2022 at 5:00 p.m. Bid opening will be
 on July 11, 2022 at 10:00 a.m. at
 CWM's Springfield office; details
 provided in bid package.

STATE OF ILLINOIS)
COUNTY OF ROCK ISLAND)
CITY OF EAST MOLINE)

NOTICE
INVITATION FOR BID
1525 SQ FT 6" CONCRETE PAD IN
MOLINE, ILLINOIS

Call CW3M Co. at (217) 522-8001 or
e-mail cwm@cwmcompany.com for
bid package. Bids are due by July 6,
2022 at 5:00 p.m. Bid opening will be
on July 11, 2022 at 10:00 a.m. at
CWM's Springfield office; details
provided in bid package.

The undersigned, hereby certifies that Lee Enterprises, Incorporated
is a corporation, existing and doing business under the laws of the
State of Delaware, licensed to do business in the State of Illinois, is
publisher of The Dispatch/Rock Island Argus, and further certifies
that the public notice attached hereto, was printed and published in
said newspaper 1 time(s) in each week for 1 successive week
(s), for publication dates as listed below.

CW3M COMPANY, INC

701 S GRAND AVE W
SPRINGFIELD IL 62704

ORDER NUMBER 128790

The undersigned, further certifies that The Dispatch/Rock Island
Argus is now and has been for more than one year continuously, a
daily secular newspaper of general circulation published in the City of
East Moline, County of Rock Island, State of Illinois, and further
certifies that said newspaper has been continuously published at a
regular interval of more than once each week with more than a
minimum of fifty issues per year for more than one year prior to the
first publication of the notice, and further certifies that The
Dispatch/Rock Island Argus is a newspaper as defined by the Statutes
of the State of Illinois in such cases made and provided, and further
hereby certifies that the annexed notice is a true copy, and has been
regularly published in said paper.

IN WITNESSETH WHEREOF, Lee Enterprises, Incorporated has
signed this Certificate by Deb Anselm, Publisher of The
Dispatch/Rock Island Argus, or by her authorized agent this 19
of June, 2022

LEE ENTERPRISES, INCORPORATED
d/b/a THE DISPATCH/ROCK ISLAND ARGUS

By: Domine Glascock
Publisher or his/her Authorized Agent

Date: 6/19/22

Section: Legals

Category: 2611 Bid Notices

PUBLISHED ON: 06/13/2022, 06/14/2022, 06/15/2022, 06/16/2022,
06/17/2022, 06/18/2022, 06/19/2022

TOTAL AD COST: 115.29

FILED ON: 6/19/2022

INVITATION FOR BIDDING
Concrete Project in Moline, Illinois
Bid Opening
Bids are due by July 6, 2022 at 5:00 p.m.
Bid opening on July 11, 2022 at 10:00 a.m.

Site Location:
1830 5th Avenue
Moline, Illinois 61265

Owner/Operator:
Aman Food & Gas 2014-0247
1830 5th Avenue
Moline, Illinois 61265

c/o Remediation Contractor:
CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
cwm@cwmcompany.com

Scope of Project:
1,525 square feet, 6" thick concrete
Prices to remain valid for 1 year from Bid acceptance.

Terms of Payment:
Payment shall be made in 30 days of receipt of completed invoice. Invoice shall include tickets documenting volume of concrete delivered to the site.

Project Specifications:

- Demolition and removal of existing concrete is subject area
- Install 6" compacted rock base on 1,525 square feet
- Install 6" concrete pad on 1,525 square feet
- Concrete will need pinned to existing surrounding concrete
- Reinforcement with Strux Synthetic Fiber

Further plans, illustrations and other information may be obtained from CW³M Company's office.

Bids will be unconditionally accepted without alteration or connection. Bids will be evaluated based upon the requirements set for the invitation for bidding.

Correction or withdrawal of inadvertently erroneous bids before or after the winning bid or cancellation of winning bid based on bid mistakes shall be allowed (only as described below*).

After bid opening, no changes in bid prices or other provisions of the bids shall be allowed.*

The winning bid will be selected with reasonable promptness by written notice to the lowest responsive and responsible bidder who meets the requirement of the bid specifications.

*Corrections to bids are allowed to the extent the corrections are not contrary to the best interest of the owner/operator and the fairness of other bidders.

Mistakes discovered before opening:

A bidder may correct mistakes discovered before the time and date set for opening of bids by withdrawing his or her bid and submitting a revised bid prior to the time and date set for opening of bids.

Mistakes discovered after opening of a bid but before the award of the winning bid:

If the owner or operator knows or has reason to conclude that a mistake has been made, the owner/operator must request the bidder confirm the information. Situations in which confirmation should be requested include obvious or apparent errors on the face of the document or a price unreasonably lower than the other submitted.

If the mistake and the intended correct information are clearly evident on the face of the bid, the information shall be corrected and the bid may not be withdrawn. Examples of mistakes that may clearly be evident on the face of the bid are typographical errors, errors extending unit prices, transportation errors, and mathematical errors.

If the mistake and the intended correct information are not clearly evident on the face of the bid, the low bid may be withdrawn if a mistake is clearly evident on the face of the bid but the intended correct bid is not similarly evident or there is proof of evidentiary value that clearly and convincingly demonstrates that a mistake was made.

The bidder acknowledges they are responsible and have appropriate financial, material, equipment, facility and personnel resources and expertise necessary to indicate its capability to meet all contractual requirements.

The bidder is able to comply with required or proposed delivery or performance schedules.

The bidder has a satisfactory record of performance:

Bidders who are or have been deficient in current or recent contract performance in dealing with the owner or operator or other clients may be deemed "not reasonable" unless the deficiency is shown to have been beyond the reasonable control of the bidder.

The bidder has a satisfactory record of integrity and business ethics. Bidders who are under investigation or indictment for criminal or civil actions that bear on the subject of the bid, or that create a reasonable inference or appearance of lack of integrity on the part of the bidder, may be declared not responsible for the particular subject of the bid.

All bid documentation and procedures in accordance with Title 35 Part 734 Section 855 of the Illinois Administrative Code.

Subcontractor's Insurance:

Before commencing the Work on any individual Project, and as a condition precedent to any payment, the Subcontractor shall purchase and maintain insurance in conformance with the provisions contained herein. This insurance will provide a defense and indemnify the Contractor, but only with respect to liability for bodily injury, property damage and personal and advertising injury caused in whole or in part by the Subcontractor's acts or omissions or the acts or omissions of those acting on the Subcontractor's behalf.

Proof of this insurance shall be provided to the Contractor before the Work commences, as set forth below. To the extent that the Subcontractor subcontracts with any other entity or individual to perform all or part of the Subcontractor's Work, the Subcontractor shall require the other Sub-Subcontractors to furnish evidence of equivalent insurance coverage, in all respects, terms and conditions as set forth herein, prior to the commencement of work by the Sub-Subcontractor. In no event shall the failure to provide this proof, prior to the commencement of the Work, be deemed a waiver by the Contractor of Subcontractor's or the Sub-Subcontractor's insurance obligations set forth herein.

In the event that the insurance company(ies) issuing the policy(ies) required by this coverage to the Contractor, the Subcontractor or the Sub-Subcontractor will, upon demand by the Contractor, defend and indemnify the Contractor at the Subcontractor's or Sub-Subcontractor's expense.

MINIMUM LIMITS OF LIABILITY

The Subcontractor must maintain the required insurance with a carrier rated A- or better by A.M. Best. The Subcontractor shall maintain at least the limits of liability as set forth below:

Commercial General Liability Insurance

\$1,000,000 Each Occurrence Limit (Bodily Injury and Property Damage)
\$2,000,000 General Aggregate per Project
\$1,000,000 Personal and Advertising Injury Limit

Business or Commercial Automobile Liability Insurance

\$1,000,000 combined single limit per accident

Worker's Compensation and Employers' Liability Insurance

\$100,000 Each Accident; \$100,000 Each Employee for Injury by Disease; \$500,000 Aggregate for Injury by Disease

Excess of Umbrella Liability

\$1,000,000 Occurrence/Aggregate

Additional Insured Status and Certificate of Insurance

The Contractor and Owner, along with their respective officers, agents and employees, shall be named as additional insureds for Ongoing Operations and Products/Completed Operations on the Subcontractor's and any Sub-Subcontractor's Commercial General Liability Policy, which must be primary and noncontributory with respect to the additional insureds. This insurance shall remain in effect as set forth below, in the "Continuation of Coverage" provision.

The Contractor and Owner, along with their respective officers, agents and employees shall be named as additional Insureds on the Business or Commercial Automobile Liability Policy, which must be primary and noncontributory with respect to these additional insureds. It is expressly understood by the parties to this Subcontract that it is the intent of the Parties that any insurance obtained by the Contractor is deemed excess, non-contributory and not co-primary in relation to the coverage(s) procured by the Subcontractor, the Sub-Subcontractor or any of their respective consultants, officers, agents, subcontractors, employees or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of the aforementioned may be liable by operation of statute, government regulation or applicable case law.

To the fullest extent permitted by applicable state law, a Waiver of Subrogation Clause shall be added to the General Liability, Automobile and Workers Compensation policies in favor of Contractor and Owner, and this clause shall apply to the Contractor's and Owner's officers, agents and employees, with respect to all Projects during the policy term.

BID SUBMITTAL COVER PAGE

Project Location:

1830 5th Avenue
Moline, Illinois 61265

Owner/Operator:

Aman Food & Gas 2014-0247
Balbir Singh
1830 5th Avenue
Moline, Illinois 61265
(563) 514-5376

Scope of Work:

1,525 Square Feet of 6" Concrete

Owner/Operator Remediation Contractor:

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
cwm@cwmcompany.com

Bid Submitted by: _____

Bid Opening on: July 11, 2022

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
Bidders Welcome

Bid Submitted To:

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001

Summary of Work Bid (Attachments may be provided):

Total Bid Amount:

Bidder: _____

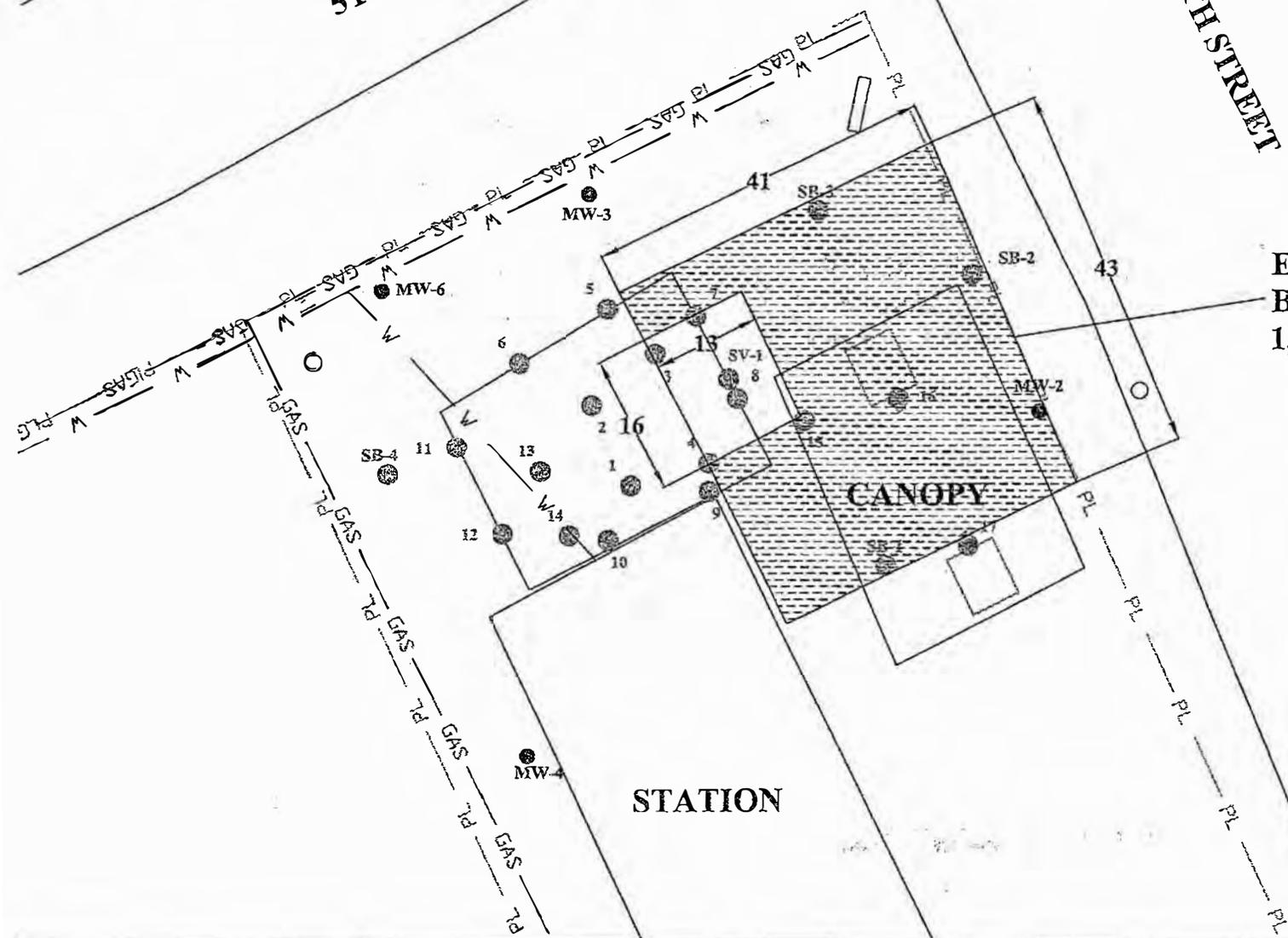
Contact: _____

Signature: _____

Date: _____

5TH AVENUE

19TH STREET



ENGINEERED BARRIER: 1,525 SQ FT

STATION

CANOPY



CWM COMPANY, INC.
 701 W. SOUTH GRAND
 SPRINGFIELD, IL. 62704
 (217) 527-8001

AMAN FOOD & GAS
 MOLINE, ILLINOIS
 INCIDENT #2014-0247
 ROCK ISLAND COUNTY

ENGINEERED BARRIER
 MAP

DATE: 4/9/2019
 REVISED DATE: 6/18/21
 SCALE 1"=20'
 DRAWING: 0012B

DRAWN BY: JKK
 REVISED BY: MJS
 REVISED BY: CLR
 EL. Ar.DWG

APPENDIX B

BID DOCUMENTATION

**AMAN FOOD & GAS MART
MOLINE, ILLINOIS**

Walter D. Laud, Inc.

Concrete Construction

821 South Second Avenue
P. O. Box 88
East Moline, Illinois 61244
Phone (309) 796-1661
Fax (309) 796-2783

Wednesday, July 6, 2022

CW3M Company
701 South Grand Avenue West
Springfield, Illinois 62704

RE: Aman Food & Gas 2014-0247

We are pleased to submit the following lump sum price for the driveway repair at 1830 5th Avenue in Moline, Illinois per your request:

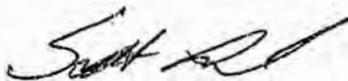
6" PCC Pavement on 6" Compacted Rock Base 1525 SF @ \$14.00 \$21,350.00 Lump Sum

Includes:

1. Full depth sawcutting and removal and disposal of existing concrete and dirt.
2. Installation of 6" Compacted Rock Subbase using 112D crushed rock.
3. Drilling and Installation (using epoxy) of #5 x 24" epoxy coated tie bars, 2' on center of existing concrete.
4. Preparation of Sub Grade for Concrete Placement.
5. Installation of 6" PCC Concrete Pavement reinforced with Strux Synthetic Fiber, light broom finish.
6. Sawcutting and sealing of all joints in the scope of our work. Joints will be sealed using Meadows Hi- Spec hot applied joint sealer.
7. All necessary barricading and traffic control.

Thank you for the opportunity to bid this project.

Sincerely,



Scott Laud
Walter D. Laud, Inc.

BID SUBMITTAL COVER PAGE

Project Location:

1830 5th Avenue
Moline, Illinois 61265

Owner/Operator:

Aman Food & Gas 2014-0247
Balbir Singh
1830 5th Avenue
Moline, Illinois 61265
(563) 514-5376

Scope of Work:

1,525 Square Feet of 6" Concrete

Owner/Operator Remediation Contractor:

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
cwm@cwmcompany.com

Bid Submitted by:

Walter D. Laud, Inc.
P. O. Box 88
East Moline, Illinois 61244
309-796-1661 wdl@mediacombb.net

Bid Opening on: July 11, 2022

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
Bidders Welcome

Bid Submitted To:

CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001

Summary of Work Bid (Attachments may be provided):

Total Bid Amount:

Bidder: Walter D. Laud, Inc.

Contact: Scott C. Laud

Signature: 

Date: July 6, 2022

BID SUBMITTAL COVER PAGE

Project Location:
1830 5th Avenue
Moline, Illinois 61265

Owner/Operator:
Aman Food & Gas 2014-0247
Balbir Singa
1830 5th Avenue
Moline, Illinois 61265
(563) 514-5376

Scope of Work:
1,525 Square Feet of 6" Concrete

Owner/Operator Remediation Contractor:
CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
cwm@cwmcompany.com

Bid Submitted by: Steve Timm
FIVE CITIES CONSTRUCTION
309-781-4494
st.timm5c@hotmail.com

Bid Opening on: July 11, 2022
CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001
Bidders Welcome

Bid Submitted To:
CW³M Company, Inc.
701 South Grand Avenue West
Springfield, Illinois 62704
(217) 522-8001

Summary of Work Bid (Attachments may be provided):

Total Bid Amount: $\$29.00/\text{sq ft} \times 1525 \text{ sq ft} = \$35,075.00$

Bidder: FIVE CITIES CONSTRUCTION

Contact: STEVE TIMM

Signature: [Handwritten Signature]

Date: 7/6/22

PROPOSAL

Date: 7/6/2022

Five Cities Construction Co.
PO Box 18
Coal Valley, IL 61240
309-781-7879
Flycitiesconstruction@hotmail.com

To CW3M Company
701-South Grand Avenue W
Springfield, Illinois 62704

Qty	Description	Unit Price	Line Total
	Demolition and removal of existing concrete in subject area		
	Install 6" compacted rock base on 1525ft2		
	Install 6" concrete pad on 1525ft2		
	Concrete will be pinned to existing surrounding concrete		
	Reinforcement with Strux Synthetic Fiber		
		\$23.00/ft2	
		1525ft2	
		\$35,075.00	

Subtotal

Total \$35,075.00

APPENDIX C

BID CORRESPONDENCE

**AMAN FOOD & GAS MART
MOLINE, ILLINOIS**

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

July 20, 2022

Walter D. Laud, Inc.

Scott Laud
821 South Second Avenue
PO Box 88
East Moline, Illinois 61244

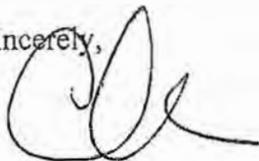
**Re: Aman Food & Gas – Moline / #2014-0247
Bid Submittal for Concrete Work**

Dear Mr. Laud:

Thank you very much for submitting your bid for concrete work at the Moline location. Your bid was the lowest received, and therefore will be awarded the project. Thank you so much for this. We need to submit the bid award numbers to the Illinois Environmental Protection Agency (IEPA) for approval in a budget and then we will be in touch as to when we would like the project completed.

Again, we look forward to working with you. Please feel free to contact me at (217) 522-8001 if you have any questions.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mr. William T. Sinnott, *CW³M Company, Inc*

CW³M Company

701 W. South Grand Avenue
Springfield, IL 62704

Environmental Consulting Services

Phone: (217) 522-8001
Fax: (217) 522-8009

July 20, 2022

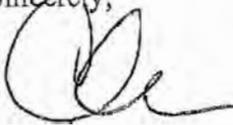
Five Cities Construction Co.
Steve Timm
PO Box 18
Coal Valley, Illinois 61240

**Re: Aman Food & Gas – Moline / #2014-0247
Bid Submittal for Concrete Work**

Dear Mr. Timm:

Thank you very much for submitting your bid for concrete work at the Moline location. A lower bid was received, so we will not be able to use your services. We appreciate your time involved in preparing the bid. Thanks again.

Sincerely,



Carol L. Rowe, P.G.
Senior Environmental Geologist

Xc: Mr. William T. Sinnott, *CW³M Company, Inc*

Electronic Filing: Received, Clerk's Office 04/05/2023

FW: Concrete Pad in Moline, IL

cwm cwmcompany.com <cwm@cwmcompany.com>

Mon 6/13/2022 8:44 AM

To: rose cwmcompany.com <rose@cwmcompany.com>

From: Jennifer@stevesnursery.com <jennifer@stevesnursery.com>

Sent: Monday, June 13, 2022 8:32 AM

To: cwm cwmcompany.com <cwm@cwmcompany.com>

Subject: Concrete Pad in Moline, IL

Good morning,

We would like to receive a bid package for the 1525 SQ. FT 6" CONCRETE PAD IN MOLINE, IL that was in the newspaper. Could you please let me know what we need to do to get the bid package?

Thank you,

Jennifer Stabler

Administrative Asslstant

Steve's Nursery, Inc.

Phone: (888) 840-5564

Electronic Filing: Received, Clerk's Office 04/05/2023

RE: Concrete Pad in Moline, IL

From: jennifer@stevesnursery.com (jennifer@stevesnursery.com)

To: rose@cwmcompany.com

Cc: carol_rowe@sbcglobal.net

Date: Monday, June 13, 2022, 09:34 AM CDT

Thank you!

From: rose cwmcompany.com <rose@cwmcompany.com>
Sent: Monday, June 13, 2022 9:10 AM
To: jennifer@stevesnursery.com
Cc: Carol Rowe <carol_rowe@sbcglobal.net>
Subject: Fw: Concrete Pad in Moline, IL

Good Morning. Thank you for your interest in this job. I have attached the Invitation For Bidding. Thank you so much, Rose Haas

From: cwm cwmcompany.com <cwm@cwmcompany.com>
Sent: Monday, June 13, 2022 8:44 AM
To: rose cwmcompany.com <rose@cwmcompany.com>
Subject: FW: Concrete Pad in Moline, IL

From: jennifer@stevesnursery.com <jennifer@stevesnursery.com>
Sent: Monday, June 13, 2022 8:32 AM
To: cwm cwmcompany.com <cwm@cwmcompany.com>
Subject: Concrete Pad in Moline, IL

Good morning.

We would like to receive a bid package for the 1525 SQ. FT 6" CONCRETE PAD IN MOLINE, IL that was in the newspaper. Could you please let me know what we need to do to get the bid package?

Thank you,

Electronic Filing: Received, Clerk's Office 04/05/2023

Jennifer Stabler

Administrative Assistant

Steve's Nursery, Inc.

Phone: (888) 840-5564

Electronic Filing: Received, Clerk's Office 04/05/2023

Fw: Moline Concrete Pad

From: rose cwmcompany.com (rose@cwmcompany.com)

To: julie@datavid.com

Cc: carol_rowe@sbcglobal.net

Date: Thursday, June 23, 2022, 08:30 AM CDT

Attached please find the bid documents requested. Thank you. Rose Haas

From: cwm cwmcompany.com <cwm@cwmcompany.com>

Sent: Thursday, June 23, 2022 8:27 AM

To: rose cwmcompany.com <rose@cwmcompany.com>

Subject: FW: Moline Concrete Pad

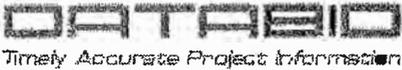
From: julie dustin <julie@datavid.com>

Sent: Wednesday, June 22, 2022 8:55 PM

To: cwm cwmcompany.com <cwm@cwmcompany.com>

Subject: Moline Concrete Pad

Hi,
Happy Thursday!
I am requesting the bid document(s) via email.
Thank you for your time.



Julie Dustin
Product Development Editor
T: 630.338.1460 | F: 888.929.9293
E: julie@datavid.com | W: www.datavid.com



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 Aman Concrete Invitation to Bid With Map.pdf
208kB

Concrete bid

From: Quad City Fix It (quadcityfixit@gmail.com)

To: carol_rose@sbcglobal.net

Date: Friday, April 1, 2022, 01:31 PM CDT

Hello Carol.... We are definitely interested but the state rate is too low for us. If we can get more realistic numbers please let me know. Thank you--

Quad City Fix It, Inc.

Antonio Rosas

309-798-0417



Electronic Filing: Received, Clerk's Office 04/05/2023

RE: 1830 5th Avenue, Moline

From: Scott Laud (wdl@mediacombb.net)

To: carol_rowe@sbcglobal.net

Date: Tuesday, March 1, 2022, 02:54 PM CST

Carol,

Thank you for your inquiry, but we are not able to complete the engineered barrier at the above address for the state rate of \$3.23 per SF for the total amount of 1525 SF.

Thank you for the opportunity to participate on this project.

Sincerely,

Scott C. Laud
Walter D. Laud, Inc.

309.796.1661
wdl@mediacombb.net

Electronic Filing: Received, Clerk's Office 04/05/2023

Fw: Sangamon County, IL-1525 SQ FT 6" CONCRETE PAD IN MOLINE, IL

From: rose cwmcompany.com (rose@cwmcompany.com)

To: sam@tilesinstyle.com

Cc: carol_rowe@sbcglobal.net

Date: Thursday, June 16, 2022, 09:17 AM CDT

Good Morning, attached, please find the bid documentation you were requesting. Thanks so much, Rose Haas

From: cwm cwmcompany.com <cwm@cwmcompany.com>

Sent: Thursday, June 16, 2022 8:56 AM

To: rose cwmcompany.com <rose@cwmcompany.com>

Subject: FW: Sangamon County, IL-1525 SQ FT 6" CONCRETE PAD IN MOLINE, IL

From: Sam Shak <sam@tilesinstyle.com>

Sent: Thursday, June 16, 2022 8:46 AM

To: cwm cwmcompany.com <cwm@cwmcompany.com>

Subject: Sangamon County, IL-1525 SQ FT 6" CONCRETE PAD IN MOLINE, IL

Good Morning,
Hope this email finds you well.

We Taza Construction, a division of Tiles in Style intends to present our bid for the subject project. Can you please provide the relevant bidding documents at your earliest convenience.

I'd really appreciate your swift response.

Thank you. Regards.

Kindly acknowledge us when you receive this email.

✉ sam@tilesinstyle.com

+1 (630) 473-9004 Ext 1013

📞 +1 (630) 642-4342

+1 (630) 219-0220 & 1978

📠 +1 (866) 552-8262

📍 [16940 Vincennes Ave,](#)
[South Holland, IL, 60473](#)

tilesinstyle.net

🔗 tazaconstruction.com

tazasupplies.com

Note: Our office timings are 08:30 AM CST till 5:00 PM CST.

 Please consider the environment before printing this email, do not print this email unless you really need to!



Aman Concrete Invitation To Bid.pdf
170.1kB

Electronic Filing: Received, Clerk's Office 04/05/2023

RE: Concrete Pad in Moline, IL

From: jennifer@stevesnursery.com (jennifer@stevesnursery.com)

To: rose@cwmcompany.com

Cc: carol_rowe@sbcglobal.net

Date: Monday, June 13, 2022, 09:34 AM CDT

Thank you!

From: rose cwmcompany.com <rose@cwmcompany.com>
Sent: Monday, June 13, 2022 9:10 AM
To: jennifer@stevesnursery.com
Cc: Carol Rowe <carol_rowe@sbcglobal.net>
Subject: Fw: Concrete Pad in Moline, IL

Good Morning. Thank you for your interest in this job. I have attached the Invitation For Bidding. Thank you so much, Rose Haas

From: cwm cwmcompany.com <cwm@cwmcompany.com>
Sent: Monday, June 13, 2022 8:44 AM
To: rose cwmcompany.com <rose@cwmcompany.com>
Subject: FW: Concrete Pad in Moline, IL

From: jennifer@stevesnursery.com <jennifer@stevesnursery.com>
Sent: Monday, June 13, 2022 8:32 AM
To: cwm cwmcompany.com <cwm@cwmcompany.com>
Subject: Concrete Pad in Moline, IL

Good morning.

We would like to receive a bid package for the 1525 SQ. FT 6" CONCRETE PAD IN MOLINE, IL that was in the newspaper. Could you please let me know what we need to do to get the bid package?

Thank you,

Electronic Filing: Received, Clerk's Office 04/05/2023

Jennifer Stabler

Administrative Assistant

Steve's Nursery, Inc.

Phone: (888) 840-5564

Electronic Filing: Received, Clerk's Office 04/05/2023

FW: Aman Food and Gas Concrete Placement for Engineered barrier - Moline, IL

From: matts cwmcompany.com (matts@cwmcompany.com)

To: carol_rove@sbcglobal.net

Date: Friday, February 11, 2022, 02:15 PM CST

Matt Saladino, P.E.

CW3M Company, Inc.

701 South Grand Avenue West

Springfield, Illinois

(217) 522-8001

From: matts cwmcompany.com

Sent: Thursday, February 10, 2022 9:45 AM

To: wdl@mediacombb.net

Subject: Aman Food and Gas Concrete Placement for Engineered barrier - Moline, IL

Scott,

Carol wanted me to send you a map of the area requiring paving as an engineered barrier for the Aman Food and Gas site at 1830 5th Avenue in Moline. The original square footage of the engineered barrier was to be 238 square feet. It has since been enlarged to 1,763 square feet. This means that the new paving required is an estimated square footage of 1,525. Hope this makes sense. I've attached both maps of the engineered barriers (original and now new modified). If you need any clarification or any additional documentation let me know.

Thanks,

Matt Saladino, P.E.

CW3M Company, Inc.

701 South Grand Avenue West

Springfield, Illinois

(217) 522-8001



Electronic Filing Received Clerk's Office 04/05/2022
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

(217) 524-3300

CERTIFIED MAIL

7021 2720 0002 0464 1996

DEC 28 2022

Balbir Kaur
Aman Food and Gas
5048 Coventry Court
Davenport, IA 52807

Re: 1610455194 – Rock Island County
Moline/Aman Food and Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

Dear Mr. Kaur:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Corrective Action Plan Budget (budget) submitted for the above-referenced incident. This budget, dated August 29, 2022, was received by the Illinois EPA on August 31, 2022. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The budget is rejected for the reason listed in Attachment A (Sections 57.7(b)(3) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(b)).

All future correspondence must be submitted to:

Illinois Environmental Protection Agency
Bureau of Land – #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

Page 2

If you have any questions or need further assistance, please contact the undersigned at (217) 785-8378 or at Bradley.Dilbaitis@illinois.gov.

Sincerely,

A handwritten signature in black ink that reads "Brad Dilbaitis". The signature is written in a cursive style with a large, stylized initial "B".

Brad Dilbaitis
Project Manager
Leaking Underground Storage Tank Section
Bureau of Land

SP:TB **TB**

Attachments: Attachment A
Appeal Rights

c: Carol Rowe, CWM Company, Inc. (electronic copy)
BOL File

Attachment A

Re: 1610455194 – Rock Island County
Moline/Aman Food and Gas
1830 5th Avenue
Leaking UST Incident 20140247
Leaking UST Technical File

Citations in this attachment are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The budget proposes additional costs for the placement of an engineered barrier that violate 35 Ill. Adm. Code 734.840(a). Costs associated with activities that violate any provision of the Act or Illinois Pollution Control Board, Office of the State Fire Marshal, or Illinois EPA regulations are ineligible for payment from the Fund pursuant to Section 57.6(a) of the Act and 35 Ill. Adm. Code 734.630(i).

In addition, the budget lacks supporting documentation. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(cc). The documentation/information in the Illinois EPA's possession does not support the requests in the budget. Therefore, the costs are not approved pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.630(dd) because they are unreasonable.

Pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.850(b), owners and operators seeking payment must demonstrate to the Illinois EPA that the amounts requested in the budget are reasonable.

Furthermore, the budget proposes additional costs for placement of an engineered barrier that exceed the cost of installing an engineered barrier constructed of asphalt four inches in depth. Such costs are ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 734.630(ss).

Pursuant to 35 Ill. Adm. Code 734.840(a), payment for costs associated with concrete, asphalt, and paving installed as an engineered barrier, other than replacement concrete, asphalt, and paving, must not exceed the Subpart H maximum payment amount for four inches of asphalt. The budget proposes additional costs associated with the placement of six inches of concrete to be used as an engineered barrier. The applicable costs associated with the placement of the engineered barrier were approved in the previous budget.

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Clerk of the Board
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
(312) 814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
(217) 782-5544

